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LAB ESSENTIALS

2023/2024





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Helpful Tips

GHS Pictograms indicating types of hazards associated with the chemical

Hazard statement gives general safety information to assist you in the event of accidents

Reading Chemical Labels

Full product name

Item # for simple reordering

Distributed by
CORE & MAIN

Phenolphthalein Indicator
0.5% w/v in Isopropanol
pH 8.3 (colorless) -10.0 (pink)
Code: CNMPH1605-A

Size: 30mL **Lot: SAMPLE**
Expires: DEC/24

CONTAINS:
Ethanol CAS# 64-17-5
Phenolphthalein CAS# 77-09-8
Methanol CAS# 67-56-1
Isopropanol CAS# 67-63-0
SDS Available: <http://sdsfetch.com/ph1605ss>

Supplied By: AquaPhoenix Scientific
860 Gitts Run Road, Hanover, PA 17331
Business #: (717) 632-1291 **Emergency #:** (800)-255-3924
SDS Identifier: PH1605SS

Find copies of the SDS with comprehensive chemical information at this website

The lot number is listed for quality assurance tracking purposes. A Certificate of Analysis can be provided upon request.

Keep an eye on the expiration date to ensure you don't use a chemical past its expiration date

Precautionary statements give storage and handling guidelines as well as further information in case of accidents.

Chemical Ordering Information

Sale of Chemicals:

All chemicals are sold for industrial and laboratory use only. No individuals can purchase chemical products from Core & Main for their own personal use. These chemical products are not for medical, cosmetic, food, drug or household applications. The buyer/end user takes all responsibility for complying with all local, state and federal regulations. Liability for the safe use, storage and disposal of these products rests entirely with the buyer and/or user.

Shipping:

The shipping of hazardous materials is regulated by the U.S. Department of Transportation (DOT). Every carrier charges a fee for the handling of hazardous materials. Some items cannot be shipped Next Day/Second Day due to regulations on air shipments. Hazardous materials will be noted throughout this catalog.

SDS:

You can obtain a copy of the SDS through our website, or through the website listed on the chemical label. Alternatively, you can call 888-885-2673 or email support.supply@coreandmain.com and we can send you copies of the SDS you are looking for. We can also supply the Certificate of Analysis upon request.

Abbreviations and Definitions

ACS	American Chemical Society	M	Molar
APHA	American Public Health Association	mL	Milliliter
BOD	Biochemical Oxygen Demand	mg/L	Milligrams Per Liter
CAS No.	Chemical Abstract Services Number	mV	Millivolt
COD	Chemical Oxygen Demand	N	Nominal
DO	Dissolved Oxygen	NIST	National Institute of Standards and Technology
DOT	Department of Transportation	ORP	Oxidation Reduction Potential
FW	Formula Weight	ppm	Parts Per Million
g	Gram	SDS	Safety Data Sheet
HM	Hazardous Material - additional shipping charges may apply depending on mode of shipment	TISAB	Total Ionic Strength Adjustment Buffer
HPLC	High Performance Liquid Chromatography	µS	Microsiemen
ISA	Ionic Strength Adjuster	v/v	Volume/Volume Mixture
ISE	Ion Selective Electrode	w/v	Weight/Volume Mixture
L	Liter	w/w	Weight/Weight Mixture



Helpful Tips

Shelf Life and Storage

In order to maximize shelf life of reagents and increase safety of your facility, follow these guidelines.

FOLLOW PROPER STORAGE RECOMMENDATIONS

- Consult a chemical hazard storage guide to determine if two chemicals can be stored in the same area.
- Keep chemicals in properly labeled containers.
- Check the original label for important storage information.
- Store in cool, dry, dark locations unless otherwise specified on the label.

AVOID CROSS-CONTAMINATION

- Never pipet directly from a reagent bottle. Always pour a small amount into a beaker and pipet from this beaker
- Don't return unused reagent back into the reagent bottle.
- Cap reagent bottles immediately after use.

Concentration Conversions

<div style="display: flex; justify-content: space-between; align-items: center;"> MULTIPLY ← → DIVIDE </div>		CONVERSION FACTOR
g/L	mg/L	1,000
ppm	mg/L	1
mg/L	µg/L	1,000

Multiply or divide your current concentration by the conversion factor to get your desired concentration.

If you have a concentration of 0.5 g/L and need to convert to ppm, you would multiply by 1000 to get 500 mg/L which you then multiply by 1 to get 500 ppm. Alternatively, if you have a 5000 µg/L sample and need to convert to mg/L, you would divide by 1000 to show your concentration as 5 mg/L.

A Short Course on Dilutions

Dilutions are performed routinely in the laboratory to achieve the desired concentration of solution. There are two types of dilutions; simple dilutions and serial dilutions.

A simple dilution is a single step dilution of a solution.

To find the volume of an initial solution required to make a desired concentration solution, the following formula is required:

For example, if you have a 1000ppm standard and you want to make 100mL of a 10ppm standard:

Therefore, to make this solution you would pipet 1mL of the initial solution into a 100mL volumetric flask and then fill to the 100mL mark with distilled water and mix.

A serial dilution involves multiple simple dilutions performed back-to-back, where the diluted solution is then diluted further. As seen in the illustration below.

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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Acetate Buffer, pH 4.0, APHA for Chlorine (4500-C, D)

706881	Poly	500 mL	Yes
706882	Poly	1 L	Yes
706883	Poly	4 L	Yes

Acetic Acid 30% v/v

706884	Amber Glass	500 mL	Yes
------------------------	-------------	--------	-----

Acetic Acid, Glacial ACS Grade

706885	Glass	500 mL	Yes
706886	Glass	2.5 L	Yes

Acetone

ACS Grade

706887	Glass	500 mL	Yes
706888	Glass	1 L	Yes
706889	Glass	4 L	Yes

HPLC Grade

706890	Glass	500 mL	Yes
706891	Glass	1 L	Yes
706892	Glass	4 L	Yes

Alkaline-Iodide Azide Reagent

706893	Poly	500 mL	Yes
706894	Poly	1 L	Yes

Alkalinity Indicator, Total

706895	Poly	120 mL	No
706896	Poly	500 mL	No
706897	Poly	1 L	No

Ammonia ISA Buffer

706901	Poly	500 mL	Yes
706902	Poly	1 L	Yes

Ammonia Standard Solution as N

0.2 ppm

706903	Poly	500 mL	No
706904	Poly	1 L	No

2.0 ppm

706907	Poly	500 mL	No
706908	Poly	1 L	No

3.0 ppm

706909	Poly	500 mL	No
706910	Poly	1 L	No

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Ammonia Standard Solution as N (continued)

5.0 ppm

706911	Poly	500 mL	No
706912	Poly	1 L	No

10 ppm

706913	Poly	500 mL	No
706914	Poly	1 L	No

20 ppm

706915	Poly	500 mL	No
706916	Poly	1 L	No

30 ppm

706917	Poly	500 mL	No
706918	Poly	1 L	No

50 ppm

706919	Poly	500 mL	No
706920	Poly	1 L	No

100 ppm

706921	Poly	500 mL	No
706922	Poly	1 L	No

1000 ppm

706905	Poly	500 mL	No
706906	Poly	1 L	No

Ammonium Acetate Buffer Solution

706924	Poly	500 mL	Yes
706925	Poly	1 L	Yes

Ammonium Chloride

0.1M

706926	Poly	500 mL	No
706927	Poly	1 L	No

ACS Grade

706928	Poly	100 g	No
706929	Poly	500 g	No

Ammonium Hydroxide

3% v/v

706930	Poly	500 mL	Yes
706931	Poly	1 L	Yes

ACS Grade

706932	Glass	500 mL	Yes
706933	Glass	1 L	Yes
706934	Glass	2.5 L	Yes

Ammonium Molybdate, 4% w/v

706935	Poly	500 mL	No
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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Ammonium Molybdate, Tetrahydra

706936	Poly	100 g	No
706937	Poly	500 g	No

Ammonium Persulfate, ACS Grade

706938	Poly	100 g	Yes
706939	Poly	500 g	Yes

L-Ascorbic Acid, ACS Grade

706940	Poly	100 g	No
706941	Poly	500 g	No

Barium Chloride Solution, 10% w/v

706942	Poly	500 mL	No
706943	Poly	1 L	No
706944	Poly	4 L	No

Borate Buffer Solution

706945	Poly	1 L	No
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Boric Acid, ACS Grade

706946	Poly	100 g	No
706947	Poly	500 g	No

Boric Acid Solution, 2% w/v w/ Indicator

706948	Poly	1 L	No
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Bromocresol Green Indicator Solution, 0.1% w/v

706949	Poly	120 mL	No
706950	Poly	500 mL	No

Bromophenol Blue Indicator, 0.1% w/v

706954	Poly	120 mL	No
706955	Poly	500 mL	No

Bromthymol Blue Indicator, 0.04% w/v

706956	Poly	120 mL	No
706958	Poly	1 L	No

Calcium Carbonate, ACS Grade

706959	Poly	100 g	No
706960	Poly	500 g	No

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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Calcium Chloride, 2.75% w/v

706961	Poly	500 mL	No
706962	Poly	1 L	No
706963	Poly	4 L	No

Calmagite Solution, 0.1% w/v

706964	Poly	500 mL	No
706965	Poly	1 L	No

Chloride Standard

100ppm as Cl

706966	Poly	500 mL	No
706967	Poly	1 L	No

1000ppm as Cl

706968	Poly	500 mL	No
706969	Poly	1 L	No

Chlorine Standard

100ppm as Cl

706970	Poly	500 mL	No
706971	Poly	1 L	No

1000ppm as Cl

706972	Poly	500 mL	No
706973	Poly	1 L	No

COD Standard, 1000ppm

706978	Poly	500 mL	Yes
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C&M PART #	CONTAINER	SIZE	VALUE	HAZARDOUS
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Conductivity Standard

706849	Poly	500 mL	10 µS/cm	No
706850	Poly	500 mL	23 µS/cm	No
706851	Poly	500 mL	84 µS/cm	No
706852	Poly	500 mL	447 µS/cm	No
706853	Poly	4 L	500 µS/cm	No
706854	Poly	1 L	1000 µS/cm	No
706855	Poly	500 mL	1413 µS/cm	No
706856	Poly	500 mL	1500 µS/cm	No
706858	Poly	1 L	2500 µS/cm	No
706857	Poly	500 mL	2764 µS/cm	No
706859	Poly	1 L	5000 µS/cm	No
706860	Poly	500 mL	8974 µS/cm	No
706861	Poly	4 L	10,000 µS/cm	No
706862	Poly	500 mL	12,880 µS/cm	No
706863	Poly	500 mL	15,000 µS/cm	No

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Copper Sulfate, Pentahydrate, ACS Grade

706979	Poly	100 g	Yes
706980	Poly	500 g	Yes

Copper Sulfate-Sulfamic Acid Inhibitor

706981	Glass	1 L	No
706982	Glass	4 L	No

Deionized Water, Type II

706983	Poly	1 L	No
706984	Poly	4 L	No
706985	Cubitainer	20 L	No

DPD Indicator Solution

706986	Poly	1 L	No
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EDTA Titrant

0.01M Hardness Reagent

706987	Poly	500 mL	No
706988	Poly	1 L	No
706989	Poly	4 L	No

0.02M +/-0.0002M, NIST Traceable

706990	Poly	500 mL	No
706991	Poly	1 L	No
706992	Poly	4 L	No

Ethanol, 95% Denatured, ACS Grade

706998	Poly	1 L	Yes
706999	Poly	4 L	Yes

Ferric Chloride, 0.025% w/v

707000	Glass	500 mL	No
707001	Glass	1 L	No

Ferrous Ammonium Sulfate

0.1M

707003	Poly	500 mL	No
707004	Poly	1 L	No

0.25M

707005	Poly	500 mL	No
707006	Poly	1 L	No

ACS Grade

707007	Poly	500 g	No
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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Fluoride Standard as F

0.20 mg/L (ppm)

707008	Poly	500 mL	No
707009	Poly	1 L	No

0.50 mg/L (ppm)

707010	Poly	500 mL	No
707011	Poly	1 L	No

1.0 mg/L (ppm)

707012	Poly	500 mL	No
707013	Poly	1 L	No

1.2 mg/L (ppm)

707014	Poly	500 mL	No
707015	Poly	1 L	No

1.5 mg/L (ppm)

707016	Poly	1 L	No
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2.0 mg/L (ppm)

707017	Poly	500 mL	No
707018	Poly	1 L	No

2.0 mg/L (ppm) WITH TISAB II

707019	Poly	500 mL	No
707020	Poly	1 L	No

5.0 mg/L (ppm)

707021	Poly	500 mL	No
707022	Poly	1 L	No

10 mg/L (ppm)

707023	Poly	500 mL	No
707024	Poly	1 L	No

10 mg/L (ppm) WITH TISAB II

707025	Poly	500 mL	No
707026	Poly	500 mL	No

20 mg/L (ppm)

707027	Poly	500 mL	No
707028	Poly	1 L	No

1000 mg/L (ppm)

707029	Poly	500 mL	No
707030	Poly	1 L	No

D-Glucose, Anhydrous, ACS Grade

707031	Poly	100 g	No
707032	Poly	500 g	No

L-Glutamic Acid, ACS Grade

707033	Poly	100 g	No
707034	Poly	500 g	No

Continued on Next Page

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Hardness Buffer Solution

707035	Poly	500 mL	Yes
707036	Poly	1 L	Yes

Hardness Standard as CaCO₃

100 ppm			
707037	Poly	500 mL	No
707038	Poly	1 L	No
1000 ppm			
707039	Poly	500 mL	No
707040	Poly	1 L	No

Hexane, 95%

707041	Amber Glass	1 L	Yes
707042	Amber Glass	4 L	Yes

Hydrochloric Acid

0.01N			
707043	Poly	500 mL	Yes
707044	Poly	1 L	Yes
707045	Poly	4 L	Yes
0.02N			
707046	Poly	500 mL	Yes
707047	Poly	1 L	Yes
707048	Poly	4 L	Yes
0.1N			
707049	Poly	500 mL	Yes
707050	Poly	1 L	Yes
707051	Poly	4 L	Yes
0.5N			
707052	Poly	500 mL	Yes
707053	Poly	1 L	Yes
707054	Poly	4 L	Yes
1.0N			
707055	Poly	500 mL	Yes
707056	Poly	1 L	Yes
707057	Poly	4 L	Yes
2.0N			
707058	Poly	500 mL	Yes
707059	Poly	1 L	Yes
707060	Poly	4 L	Yes
3.0N			
707061	Poly	500 mL	Yes
707062	Poly	1 L	Yes
707063	Poly	4 L	Yes

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Hydrochloric Acid *(continued)*

5.0N			
707064	Poly	500 mL	Yes
707065	Poly	1 L	Yes
10% v/v (1:9)			
707066	Poly	500 mL	Yes
707067	Poly	1 L	Yes
707068	Poly	4 L	Yes
16% v/v			
707069	Poly	4 L	Yes
20% v/v			
707070	Poly	500 mL	Yes
707071	Poly	1 L	Yes
707072	Poly	4 L	Yes
50% v/v (1:1)			
707073	Poly	500 mL	Yes
707074	Poly	4 L	Yes
Concentrated, ACS Grade			
707075	Glass	500 mL	Yes
707076	Glass	1 L	Yes
707077	Glass	2.5 L	Yes

Hydrogen Peroxide

3% v/v			
707078	Poly	1 L	No
30%			
707079	Poly	500 mL	No

Hydroxylamine Hydrochloride Solution

707080	Glass	500 mL	No
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Iodide Reagent

707081	Poly	500 mL	No
707082	Poly	1 L	No

Iodine Solution

0.025N			
707083	Amber Glass	500 mL	No
0.0282N			
707084	Amber Glass	500 mL	No
707085	Amber Glass	1 L	No

Iron Standard Solution as Fe, 200 mg/L (ppm)

707086	Glass	500 mL	Yes
707087	Glass	1 L	Yes

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Isopropanol (Isopropyl Alcohol)

707088	Poly	500 mL	No
707089	Poly	1 L	No
707090	Poly	4 L	No

Magnesium Chloride, Hexahydrate, ACS Grade

707091	Poly	100 g	No
707092	Poly	500 g	No

Mercuric Nitrate Titrant

0.0141N			
707093	Poly	500 mL	No
707094	Amber Poly	1 L	No
0.141N			
707095	Poly	500 mL	No
707096	Poly	1 L	No

Methanol (Methyl Alcohol)

707097	Poly	500 mL	Yes
707098	Poly	1 L	Yes
707099	Poly	4 L	Yes

Methyl Purple Indicator Solution

707100	Poly	120 mL	No
707101	Poly	500 mL	No
707102	Poly	1 L	No

Nitrate Standard as N

1.0 mg/L (ppm)			
707103	Poly	500 mL	No
707104	Poly	1 L	No
2.0 mg/L (ppm)			
707105	Poly	500 mL	No
707106	Poly	1 L	No
10 mg/L (ppm)			
707107	Poly	500 mL	No
707108	Poly	1 L	No
100 mg/L (ppm)			
707109	Poly	500 mL	No
707110	Poly	1 L	No
1000 mg/L (ppm)			
707111	Poly	500 mL	No
707112	Poly	1 L	No

Nitrate ISA Buffer

707113	Poly	1 L	No
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C&M PART #	CONTAINER	SIZE	HAZARDOUS
Nitric Acid			
1.0N			
707114	Amber Glass	500 mL	Yes
707115	Amber Glass	1 L	Yes
40% w/w			
707116	Amber Glass	500 mL	Yes
707117	Amber Glass	1 L	Yes
Concentrated, ACS Grade			
707118	Amber Glass	500 mL	Yes
707119	Amber Glass	1 L	Yes
707120	Amber Glass	2.5 L	Yes

ORP Standard			
200 mV +/-5% @ 25°C			
707121	Glass	500 mL	Yes
400 mV +/-5% @ 25°C			
707122	Glass	500 mL	Yes
600 mV +/-5% @ 25°C			
707123	Glass	500 mL	Yes

pH Buffer Solution			
2.00, Colorless			
707124	Poly	500 mL	No
707125	Poly	4 L	No
4.00, Red			
707128	Cubitainer	4 L	No
707129	Cubitainer	20 L	No
4.00, Colorless			
707130	Poly	500 mL	No
707131	Poly	4 L	No
6.86, Colorless			
707132	Poly	500 mL	No
707133	Poly	4 L	No
7.00, Yellow			
707136	Cubitainer	4 L	No
707137	Cubitainer	20 L	No
7.00, Colorless			
707138	Poly	500 mL	No
707139	Poly	4 L	No
8.00, Colorless			
707140	Poly	500 mL	No
707141	Poly	4 L	No
9.18, Colorless			
707142	Poly	500 mL	No
707143	Poly	4 L	No

C&M PART #	CONTAINER	SIZE	HAZARDOUS
pH Buffer Solution (continued)			
10.00, Blue			
707146	Cubitainer	4 L	No
707147	Cubitainer	20 L	No
10.00, Colorless			
707148	Poly	500 mL	No
707149	Poly	4 L	No
12.45, Colorless			
707150	Poly	500 mL	No
707151	Poly	4 L	No

Phenol Red Indicator Solution, 0.04% w/v			
707153	Poly	500 mL	No
707154	Poly	1 L	No

Phenylarsine Oxide, 0.00564N			
707155	Poly	500 mL	No
707156	Poly	1 L	No
707157	Poly	4 L	No

Phosphate Buffer			
707158	Poly	500 mL	No
707159	Poly	1 L	No

Phosphate Standard			
1.0 ppm			
707160	Poly	500 mL	No
707161	Poly	1 L	No
5.0 ppm			
707162	Poly	500 mL	No
707163	Poly	1 L	No

Phosphoric Acid			
10% v/v			
707164	Poly	500 mL	Yes
707165	Poly	1 L	Yes
Concentrated			
707166	Amber Glass	500 mL	Yes
707167	Amber Glass	1 L	Yes

Potassium Bi-iodate, 0.025N			
707168	Glass	500 mL	No
707169	Glass	1 L	No

C&M PART #	CONTAINER	SIZE	HAZARDOUS
Potassium Chloride, ACS Grade			
707170	Poly	100 g	No
707171	Poly	500 g	No

Potassium Chloride, pH Eltrode Fill Solution			
3M			
706994	Poly	500 mL	No
4M, Saturated			
706995	Poly	500 mL	No
4M, Saturated with Silver Chloride			
706996	Poly	500 mL	No

Potassium Acid Phthalate, ACS Grade			
707177	Poly	100 g	No
707178	Poly	500 g	No

Potassium Hydroxide			
45% w/v			
707179	Poly	4 L	Yes
50% w/v			
707180	Poly	4 L	Yes
ACS Grade			
707181	Poly	500 g	Yes
707182	Poly	2.5 kg	Yes

Potassium Iodide			
5% w/v			
707183	Poly	500 mL	No
10% w/v			
707184	Poly	500 mL	No
707185	Poly	1 L	No
20% w/v			
707186	Poly	500 mL	No
707187	Poly	1 L	No
ACS Grade			
707188	Poly	100 g	No
707189	Poly	500 g	No
707190	Poly	2.5 kg	No

Potassium Permanganate			
0.42N			
707191	Poly	1 L	Yes
0.10N			
707192	Poly	1 L	Yes

Continued on Next Page

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Potassium Persulfate, ACS Grade

707193	Poly	100 g	Yes
707194	Poly	500 g	Yes

Potassium Phosphate Dibasic

707195	Poly	100 g	No
707196	Poly	500 g	No

Potassium Phosphate, Monobasic, ACS Grade

707197	Poly	100 g	No
707198	Poly	500 g	No

Potassium Sulfate, ACS grade

707199	Poly	100 g	No
707200	Poly	500 g	No
707201	Poly	2.5 kg	No

Silver Nitrate

0.0141N			
707202	Amber Poly	500 mL	Yes
707203	Amber Poly	1 L	Yes
0.0171N			
707204	Amber Poly	500 mL	Yes
707205	Amber Poly	1 L	Yes
0.10N			
707206	Amber Poly	500 mL	Yes
707207	Amber Poly	1 L	Yes
0.141N			
707208	Amber Poly	500 mL	Yes
707209	Amber Poly	1 L	Yes
ACS Grade			
707210	White Poly	100 g	Yes

Sodium Acetate, Trihydrate, ACS Grade

707211	Amber Poly	100 g	No
707212	Amber Poly	500 g	No

Sodium Arsenite, 0.5% w/v

707213	Glass	500 mL	Yes
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Sodium Bicarbonate, ACS Grade

707214	Poly	100 g	No
707215	Poly	500 g	No

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Sodium Carbonate

0.02N			
707216	Poly	1 L	No
ACS Grade			
707217	Poly	100 g	No
707218	Poly	500 g	No

Sodium Chloride

0.0141N			
707219	Poly	500 mL	No
707220	Poly	1 L	No
0.1N			
707221	Poly	500 mL	No
707222	Poly	1 L	No
0.141N			
707223	Poly	500 mL	No
707224	Poly	1 L	No
ACS Grade			
707225	Poly	500 g	No
707226	Poly	2.5 kg	No

Sodium Fluoride, ACS Grade

707227	Poly	500 mL	Yes
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Sodium Hydroxide

0.05N			
707228	Poly	500 mL	Yes
707229	Poly	1 L	Yes
707230	Poly	4 L	Yes
0.2N			
707231	Poly	500 mL	Yes
707232	Poly	1 L	Yes
707233	Poly	4 L	Yes
0.25N			
707234	Poly	500 mL	Yes
707235	Poly	1 L	Yes
707236	Poly	4 L	Yes
5.0N			
707237	Poly	500 mL	Yes
707238	Poly	1 L	Yes
707239	Poly	4 L	Yes
40% w/v			
707240	Poly	500 mL	Yes
707241	Poly	4 L	Yes

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Sodium Hydroxide (continued)

50% w/w			
707242	Poly	500 mL	Yes
707243	Poly	1 L	Yes
707244	Poly	4 L	Yes
ACS Grade			
707245	Poly	500 g	Yes
707246	Poly	2.5 kg	Yes

Sodium Hydroxide, Thiosulfate Reagent

707247	Poly	500 mL	Yes
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Sodium Phosphate, Dibasic

707248	Poly	100 g	No
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Sodium Phosphate, Dibasic, ACS Grade

707249	Poly	100 g	No
707250	Poly	500 g	No

Sodium Sulfate, ACS Grade

707251	Poly	100 g	No
707252	Poly	500 g	No
707253	Poly	2.5 kg	No

Sodium Sulfite, ACS Grade

707254	Poly	100 g	No
707255	Poly	500 g	No

Sodium Thiosulfate

0.00564N			
707256	Poly	500 mL	No
707257	Poly	1 L	No
707258	Poly	4 L	No
0.025N			
707259	Poly	500 mL	No
707260	Poly	1 L	No
707261	Poly	4 L	No
0.0375N			
707262	Poly	500 mL	No
707263	Poly	1 L	No
707264	Poly	4 L	No
0.25N			
707265	Poly	500 mL	No
707266	Poly	1 L	No
707267	Poly	4 L	No
1.0N			
707268	Poly	500 mL	No
707269	Poly	1 L	No

Continued on Next Page

C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Sodium Thiosulfate, Pentahydrate, ACS Grade

707270	Poly	100 g	No
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SPADN Reagent Solution

707271	Glass	1 L	Yes
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Starch Indicator Solution

0.5% w/v

707272	Poly	500 mL	No
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707273	Poly	1 L	No
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707274	Poly	4 L	No
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1.0% w/v

707275	Poly	500 mL	No
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707276	Poly	1 L	No
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2.0% w/v

707277	Poly	500 mL	No
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707278	Poly	1 L	No
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Sulfamic Acid, ACS Grade

707279	Poly	100 g	Yes
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707280	Poly	500 g	Yes
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Sulfuric Acid

0.02N (N/50)

706898	Poly	500 mL	Yes
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706899	Poly	1 L	Yes
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706900	Poly	4 L	Yes
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707281	Poly	20 L	Yes
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0.04N

707282	Poly	500 mL	Yes
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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Sulfuric Acid *(continued)*

0.2N

707283	Poly	1 L	Yes
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5.25N

707284	Poly	500 mL	Yes
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707285	Poly	1 L	Yes
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10.0N

707286	Poly	500 mL	Yes
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707287	Poly	1 L	Yes
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11.0N

707288	Poly	500 mL	Yes
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707289	Poly	1 L	Yes
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13.0N

707290	Poly	500 mL	Yes
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707291	Poly	1 L	Yes
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19.2N

707292	Poly	500 mL	Yes
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707293	Poly	1 L	Yes
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25% v/v

707294	Poly	500 mL	Yes
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707295	Poly	1 L	Yes
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707296	Poly	4 L	Yes
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50% v/v (1:1)

707297	Poly	500 mL	Yes
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707298	Poly	1 L	Yes
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707299	Poly	4 L	Yes
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Concentrated, ACS Grade

707300	Poly	500 mL	Yes
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707301	Poly	1 L	Yes
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707302	Poly	4 L	Yes
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C&M PART #	CONTAINER	SIZE	HAZARDOUS
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Thymol Blue Indicator, 0.04% w/v

707303	Poly	500 mL	No
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Thymolphthalein Indicator, 0.04% w/v

707304	Poly	500 mL	Yes
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707305	Poly	1 L	Yes
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TISAB II

707306	Poly	500 mL	No
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707307	Poly	1 L	No
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707308	Poly	4 L	No
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707309	Cubitainer	20 L	No
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Urea, 99+%, ACS Grade

707313	Poly	500 g	No
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Water Hardness (Eriochrome Black T)

707314	Poly	120 mL	Yes
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707315	Poly	500 mL	Yes
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Zero Oxygen Standard

707316	Poly	120 mL	No
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707317	Poly	500 mL	No
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Popular Hach Chemistries & Kits

Core & Main is your one-stop-shop for Hach chemistries, reagents, standards, and kits. We've curated the list below with the most popular Hach chemistries and kits. The table is organized by parameter, and each parameter has items listed numerically by Hach part numbers. Give us a call if you cannot find what you need.

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Acidity			
700564	14832	Hach Methyl Orange Indicator Solution	100 mL
700568	16232	Hach Phenolphthalein Indicator Solution	100 mL
700622	32332	Hach Sodium Thiosulfate Standard Solution, 0.1 N	100 mL
700698	94299	Hach Phenolphthalein Indicator Powder Pillows	Pk/100
700832	212132	Hach Sulfuric Acid Standard Solution, 0.500 N	100 mL
701005	1437701	Hach Sodium Hydroxide Digital Titrator Cartridge, 0.1600 N	40-100 Tests
701007	1437901	Hach Sodium Hydroxide Digital Titrator Cartridge, 1.600 N	40-100 Tests
701038	1455099	Hach Bromphenol Blue Indicator Powder Pillows	Pk/100
701039	1455232	Hach Bromphenol Blue Indicator Solution	100 mL
700605	27256	Hach Water, Deionized, Demineralized	4 L
Acid-Base			
700583	20353	Hach Sulfuric Acid Standard Solution, 0.020 N (N/50)	1 L
700698	94299	Hach Phenolphthalein Indicator Powder Pillows	Pk/100
700723	104553	Hach Sodium Hydroxide Standard Solution, 1.000 N	1 L
700743	127053	Hach Sulfuric Acid Standard Solution, 1.000 N	1 L
700832	212132	Hach Sulfuric Acid Standard Solution, 0.500 N	100 mL
701007	1437901	Hach Sodium Hydroxide Digital Titrator Cartridge, 1.600 N	40-100 Tests
701009	1438101	Hach Sodium Hydroxide Digital Titrator Cartridge, 8.00 N	40-100 Tests
701011	1438901	Hach Sulfuric Acid Digital Titrator Cartridge, 1.600 N	40-100 Tests
701012	1439001	Hach Hydrochloric Acid Digital Titrator Cartridge, 8.00 N	40-100 Tests
701013	1439101	Hach Sulfuric Acid Digital Titrator Cartridge, 8.00 N	40-100 Tests
700605	27256	Hach Water, Deionized, Demineralized	4 L
700581	20253	Hach Sulfuric Acid Standard Solution, 0.100 N (N/10)	1 L
Alkalinity			
700584	20356	Hach Sulfuric Acid Standard Solution, 0.020 N (N/50)	4 L
700698	94299	Hach Phenolphthalein Indicator Powder Pillows	Pk/100
700700	94399	Hach Bromcresol Green-Methyl Red Ind. Powder Pillows	Pk/100
700743	127053	Hach Sulfuric Acid Standard Solution, 1.000 N	1 L
700832	212132	Hach Sulfuric Acid Standard Solution, 0.500 N	100 mL
701010	1438801	Hach Sulfuric Acid Digital Titrator Cartridge, 0.1600 N	40-100 Tests
701011	1438901	Hach Sulfuric Acid Digital Titrator Cartridge, 1.600 N	40-100 Tests
700805	193449	Hach Amino Acid Reagent	500 mL
701461	2349732	Hach Sulfuric Acid Standard Solution, 0.035 N	100 mL

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Alkalinity (continued)			
700108	8636100	Hach Total Alkalinity Chemkey® Reagents High Range	Pk/25
700109	8636200	Hach Total Alkalinity Chemkey® Reagents Low Range	Pk/25
700183	TNT870	Hach Alkalinity (Total) TNTplus Vial Test	Pk/25
700583	20353	Hach Sulfuric Acid Standard Solution, 0.020 N (N/50)	1 L
700605	27256	Hach Water, Deionized, Demineralized	4 L
Aluminum			
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N	500 mL
700794	187866	Hach (CH ₂) ₆ N ₄ Buffer Reagent Powder Pillows	Pk/50
700993	1429099	Hach AluVer® 3 Aluminum Reagent Powder Pillows	Pk/100
700995	1429449	Hach Bleaching 3 Reagent Powder Pillows	Pk/100
701044	1457799	Hach Ascorbic Acid Powder Pillows	Pk/100
701321	2242000	Hach Aluminum Reagent Set, Aluminon	Pk/100
701505	2380123	Hach ECR Masking Reagent Solution, 25 mL	100 Tests
701506	2380268	Hach ECR Reagent Powder Pillows, 50 mL	Pk/25
701589	2443400	Hach Aluminum Reagent, (ECR) Method, 50 mL	100 Tests
701733	2603700	Hach Aluminum Reagent, (ECR) Method, 20 mL	100 Tests
701734	2603849	Hach ECR Reagent Powder Pillows, 20 mL	Pk/100
701735	2603999	Hach (CH ₂) ₆ N ₄ Buffer Reagent Powder Pillows	Pk/100
700167	TNT848	Hach Aluminum TNTplus Vial Test, 0.02-0.50 mg/L Al	24 Tests
Ammonia			
700567	15349	Hach Ammonia Standard Solution, 10 mg/L as NH ₃ -N	500 mL
700622	32332	Hach Sodium Thiosulfate Standard Solution, 0.1 N	100 mL
700722	104532	Hach Sodium Hydroxide Standard Solution, 1.000 N	100 mL
700796	189149	Hach Ammonia Standard Solution, 1 mg/L as NH ₃ -N	500 mL
701235	2119432	Hach Nessler Reagent	100 mL
701236	2119449	Hach Nessler Reagent	500 mL
701333	2243700	Hach Nitrogen-Ammonia Set, Salicylate, 25 mL	100 Tests
701434	2321353	Hach Hydrochloric Acid Standard Solution, 1.00 N	1 L
701481	2354153	Hach Ammonia Standard Solution, 1000 mg/L as NH ₃ -N	1 L
701501	2376526	Hach Polyvinyl Alcohol Dispersing Agent	50 mL
701503	2376626	Hach Mineral Stabilizer Solution	50 mL
701511	2395266	Hach Ammonia Salicylate Reagent Powder Pillows, 5 mL	Pk/50
701512	2395366	Hach Ammonia Salicylate Reagent Powder Pillows, 25 mL	Pk/50
701513	2395466	Hach Ammonia Cyanurate Reagent Powder Pillows, 5 mL	Pk/50

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Popular Hach Chemistries & Kits (continued)



C&M PART #	MFG PART #	DESCRIPTION	SIZE
Ammonia (continued)			
701514	2395566	Hach Ammonia Cyanurate Reagent Powder Pillows, 25 mL	Pk/50
701523	2406549	Hach Ammonia Standard Solution, 100 mg/L as NH ₃ -N	500 mL
701553	2429104	Hach APA6000 Process pH Electrolyte	Pk/4
701612	2458200	Hach Nitrogen-Ammonia Reagent Set, Nessler	250 Tests
701677	2541249	Hach Conditioning Solution, ISENH3181	500 mL
701678	2541259	Hach Ammonia Electrode Storage Solution	50 mL
701682	2545049	Hach Sodium Hydroxide Standard Solution, 10 N	500 mL
701740	2604545	Hach NH ₃ Reagent, TNT, AmVer (Salicylate) Low Range	25-50 Tests
701745	2606945	Hach NH ₃ Reagent, TNT, AmVer (Salicylate), High Range	25-50 Tests
701778	2653199	Hach Ammonia Cyanurate Reagent Powder Pillows, 10 mL	Pk/100
701779	2653299	Hach Ammonia Salicylate Reagent Powder Pillows, 10 mL	Pk/100
701824	2668000	Hach NH ₃ Reagent Set, Salicylate Method, 10 mL	100 Tests
701971	2876453	Hach APA6000 Cleaning Solution	1 L
702082	4447169	Hach Ammonia (ISA) Powder Pillows	Pk/100
702083	4447226	Hach Filling Solution, ISENH3181, 0.1 M NH ₄ Cl	50 mL
700110	9425200	Hach Total Ammonia Chemkey® Reagents, SL1000	Pk/25
700151	TNT829	Hach Ammonia TNTplus Vial Test, ULR+	Pk/25
700152	TNT830	Hach Ammonia TNTplus Vial Test, ULR	Pk/25
700153	TNT831	Hach Ammonia TNTplus Vial Test, LR	Pk/25
700154	TNT832	Hach Ammonia TNTplus Vial Test, HR	Pk/25
700155	TNT833	Hach Ammonia TNTplus Vial Test, UHR	Pk/25
700156	TNT834	Hach Ammonia TNTplus Vial Test, UHR+	Pk/25
700159	TNT837	Hach Ammonia TNTplus Vial Test, HR+	Pk/25
700193	TNT882KTO	Hach Anammox Activity TNTplus Vial Test, 0 - 1000 mAbs	Pk/25
Ammonia-Free			
701049	1470953	Hach Borate Buffer Solution	1 L
701929	2802299	Hach Monochlor F Reagent Powder Pillows	Pk/100
701972	2877436	Hach Free Ammonia Chlorinating Solution	4 mL
701973	2879200	Hach Free Ammonia Reagent Set	50 Tests
702510*	9429500	Hach Free Ammonia Chemkey® Reagents, SL1000	Pk/25
700111	9429600	Hach Free Ammonia & Monochloramine Chemkey SL1000	Pk/25
*Requires Monochloramine SL1000 (C&M PN 700113)			
Ammonium			
700567	15349	Hach Ammonia Standard Solution, 10 mg/L as NH ₃ -N	500 mL
701523	2406549	Hach Ammonia Standard Solution, 100 mg/L as NH ₃ -N	500 mL
701976	2882346	Hach Hardness Treatment Reagent Powder Pillows	Pk/50
702042	2980699	Hach Ammonium (ISA) Powder Pillows	Pk/100

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Barium			
700915	1206499	Hach BariVer 4 Barium Reagent Powder Pillows	Pk/100
BOD			
700619	31425	Hach Potassium Hydroxide Pellets	25 g
700647	42849	Hach Calcium Chloride Solution for BOD	500 mL
700743	127053	Hach Sulfuric Acid Standard Solution, 1.000 N	1 L
700893	253334	Hach Nitrification Inhibitor for BOD, Formula 2533™, TCMP	500 g
700894	253335	Hach Nitrification Inhibitor for BOD, Formula 2533™, TCMP	35 g
700959	1416066	Hach BOD Nutrient Buffer Pillows, 300 mL	Pk/50
700961	1416369	Hach Lithium Hydroxide Powder Pillows	Pk/100
701061	1486166	Hach BOD Nutrient Buffer Pillows, 3 mL Concentrate	Pk/50
701062	1486266	Hach BOD Nutrient Buffer Pillows, 6 mL Concentrate	Pk/50
701063	1486398	Hach BOD Nutrient Buffer Pillows, 19 mL Concentrate	Pk/25
701064	1486510	Hach BOD Standard Solution, 300 mg/L, 10 mL Voluette®	Pk/16
701573	2436466	Hach BOD Nutrient Buffer Pillows, 4 mL Concentrate	Pk/50
701664	2514420	Hach ez GGA, 198 mg/L BOD Standard, 2 mL Ampules	Pk/20
702005	2962266	Hach Respirometric BOD Nutrient Buffer Solution Pillows	Pk/50
701981	2918700	Hach BOD Seed Inoculum, Polyseed®	Pk/50
Boron			
700963	1417099	Hach BoroVer® 3 Boron Reagent Powder Pillows	Pk/100
700800	191442	Hach Boron Standard Solution, 1000 mg/L as B (NIST)	100 mL
700189	TNT877	Hach Boron TNTplus Vial Test, 0.05-2.50 mg/L B	Pk/25
Bromine			
7000140122X2	1406499	Hach DPD Total Chlorine Reagent Powder Pillows, 25 mL	Pk/100
7000140122N8	2105669	Hach DPD Total Chlorine Reagent Powder Pillows, 10 mL	Pk/100
701650	2503025	Hach DPD Total Chlorine Reagent Accuvac® Ampules	Pk/25
Carbon Dioxide			
700568	16232	Hach Phenolphthalein Indicator Solution, 5 g/L	100 mL
700575	18149	Hach Sodium Carbonate Standard Solution, 0.02 N (N/50)	500 mL
700578	19253	Hach Sodium Hydroxide Standard Solution, 0.0227 N	1 L
700698	94299	Hach Phenolphthalein Indicator Powder Pillows	Pk/100
701006	1437801	Hach Sodium Hydroxide Digital Titrator Cartridge, 0.3636 N	40-100 Tests
701008	1438001	Hach Sodium Hydroxide Digital Titrator Cartridge, 3.636 N	40-100 Tests
701378	2272700	Hach Carbon Dioxide Reagent Set, Digital Titrator	40-100 Tests

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Chloride			
700576	18349	Hach Chloride Standard Solution, 1000 mg/L as Cl ⁻ (NIST)	500 mL
700611	28553	Hach Mercuric Nitrate Standard Solution, 0.0141 N	1 L
700620	31653	Hach Silver Nitrate Standard Solution, 0.0141 N	1 L
700682	83699	Hach Diphenylcarbazone Reagent Powder Pillows, 100mL	Pk/100
700692	92101	Hach Mercuric Nitrate Digital Titrator Cartridge, 2.256 N	40-100 Tests
700721	104399	Hach Chloride 2 Indicator Powder Pillows	Pk/100
700727	105766	Hach Chloride 2 Indicator Powder Pillows, 100 mL	Pk/50
701014	1439301	Hach Mercuric Nitrate Digital Titrator Cartridge, 0.2256 N	40-100 Tests
701015	1439601	Hach Silver Nitrate Digital Titrator Cartridge, 0.2256 N	40-100 Tests
701016	1439701	Hach Silver Nitrate Digital Titrator Cartridge, 1.128 N	40-100 Tests
701300	2212129	Hach Mercuric Thiocyanate Solution	200 mL
701301	2212242	Hach Ferric Ion Solution	100 mL
701377	2272600	Hach Chloride Reagent Set, Mercuric Nitrate Digital Titrator	100 Tests
701393	2288000	Hach Chloride Reagent Set, AgNO ₃ Digital Titrator, FR	100 Tests
701423	2318069	Hach Chloride Ionic Strength Adjustor (ISA) Powder Pillows	Pk/100
701431	2319800	Hach Chloride Reagent Set, Mercuric Thiocyanate	100 Tests
701462	2349832	Hach Chloride Titrant, Silver Nitrate, 0.0493N	100 mL
701491	2370853	Hach Chloride Standard Solution, 100 mg/L	1 L
701590	2444100	Hach Chloride Reagent Set, LR, Digital Titrator	100 Tests
701874	2744940	Hach Chloride QuanTab® Test Strips, 30-600 mg/L	Pk/40
701884	2751340	Hach Chloride QuanTab® Test Strips, 300-6000 mg/L	Pk/40
700191	TNT879	Hach Chloride TNTplus Vial Test, 1.0-1,000 mg/L Cl	Pk/24
700605	27256	Hach Water, Deionized, Demineralized	4 L
Chlorine			
700572	16984	Hach Total Chlorine Electrolyte	473 mL
700009	21132	Hach Phenol Red Indicator Solution	100 mL
700624	34332	Hach Potassium Iodide Solution, 30 g/L	100 mL
700625	34932	Hach Starch Indicator Solution	100 mL
700711	98799	Hach Dissolved Oxygen 3 Reagent Powder Pillows	Pk/100
700725	104732	Hach Sodium Arsenite Solution, 5.0 g/L	100 mL
700734	107760	Hach Potassium Iodide SwifTest™ Dispenser Refill	300 Tests
700735	107799	Hach Potassium Iodide Powder Pillows	Pk/100
700812	199901	Hach (PAO) Digital Titrator Cartridge, 0.00564 N	40-100 Tests
700813	199917	Hach (PAO) Standard Solution, 0.00564 N	3.78 L
700815	199953	Hach (PAO) Standard Solution, 0.00564 N	1 L
700840	220399	Hach Sulfite 1 Reagent Powder Pillows	Pk/100
7000140322X2	1406428	Hach DPD Total Chlorine Reagent Powder Pillows, 25 mL	Pk/1000
7000140122X2	1406499	Hach DPD Total Chlorine Reagent Powder Pillows, 25 mL	Pk/100

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Chlorine (continued)			
7000140321X2	1407028	Hach DPD Free Chlorine Reagent Powder Pillows, 25 mL	Pk/1000
7000140121X2	1407099	Hach DPD Free Chlorine Reagent Powder Pillows, 25 mL	Pk/100
7000140322F9	1407628	Hach DPD Total Chlorine Reagent Powder Pillows, 5 mL	Pk/1000
7000140122F9	1407699	Hach DPD Total Chlorine Reagent Powder Pillows, 5 mL	Pk/100
7000140321F9	1407728	Hach DPD Free Chlorine Reagent Powder Pillows, 5 mL	Pk/1000
7000140121F9	1407799	Hach DPD Free Chlorine Reagent Powder Pillows, 5 mL	Pk/100
700983	1425010	Hach Chloride Standard Solution, 12,500, 10 mL Ampules	Pk/16
700988	1426810	Hach Chlorine standard solution, 50-75, 10 mL Ampules	Pk/16
700989	1426820	Hach Chlorine Standard Solution, 50-75, 2 mL Ampules	Pk/20
701022	1440101	Hach Sodium Thiosulfate Digital Titrator Cartridge, 2.00 N	40-100 Tests
701067	1490932	Hach Acetate Buffer Solution, pH 4.0	100 mL
701108	2059996	Hach Potassium Iodide Powder Pillows	Pk/50
700031	2105503	Hach DPD Free Chlorine Reagent Powder Pillows, 10 mL	Pk/300
7000140321N8	2105528	Hach DPD Free Chlorine Reagent Powder Pillows, 10 mL	Pk/1000
701200	2105545	Hach DPD Free Chlorine Reagent, Test 'N Tube Vials	Pk/50
700026	2105560	Hach DPD Free Chlorine Reagent, Swiftest Dispenser Refill	250 Tests
7000140121N8	2105569	Hach DPD Free Chlorine Reagent Powder Pillows, 10 mL	Pk/100
700034	2105603	Hach DPD Total Chlorine Reagent Powder Pillows, 10 mL	Pk/300
7000140322N8	2105628	Hach DPD Total Chlorine Reagent Powder Pillows, 10 mL	Pk/1000
701201	2105645	Hach DPD Total Chlorine Reagent, Test 'N Tube Vials	Pk/50
700027	2105660	Hach DPD Total Chlorine Swiftest™ Dispenser Refill Vial	Pk/250
7000140122N8	2105669	Hach DPD Total Chlorine Reagent Powder Pillows, 10 mL	Pk/100
701259	2155332	Hach Buffer, Phosphate, pH 7, Amperometric Chlorine	Pk/100
701260	2155353	Hach Buffer, Phosphate Type, pH 7.0	1 L
7000140622F9	2198246	Hach DPD Total Chlorine Reagent Powder Pillows, 5 mL	Pk/50
701359	2263411	Hach Total Chlorine Indicator Solution, CL17	473 mL
701360	2263511	Hach Total Chlorine Buffer Solution, CL17	473 mL
701363	2267301	Hach Sodium Thiosulfate Digital Titrator Cartridge, 0.113 N	40-100 Tests
701376	2272500	Hach Chlorine (Total) Reagent Set for Digital Titrator, MR	100 Tests
701395	2292301	Hach Iron (II) Digital Titrator Cartridge, 0.00564 N	40-100 Tests
701400	2297255	Hach CL17 DPD Compound	24 g
701417	2314011	Hach Free Chlorine Indicator Solution, CL17	473 mL

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Chlorine (continued)			
701418	2314111	Hach Free Chlorine Buffer Solution, CL17	473 mL
701449	2333353	Hach Iodine Standard Solution, 0.0282 N	1 L
701528	2408842	Hach Na2S2O3 Standard Solution, Stabilized, 0.00564 N	100 mL
701533	2409101	Hach Na2S2O3 Digital Titrator Cartr., Stabilized, 0.02256 N	40-100 Tests
701534	2409232	Hach Na2S2O3 Standard Solution, Stabilized, 0.0246 N	100 mL
701594	2444800	Hach Chlorine (Total) Reagent Set, HR Digital Titrator	100 Tests
701636	2493023	Hach Blanking Reagent for ULR Chlorine	29 mL
701637	2493120	Hach Buffer Solution, ULR Chlorine	Pk/20
701638	2493220	Hach DPD Chlorine Indicator Solution Ampules, ULR	Pk/20
701649	2502025	Hach DPD Free Chlorine Reagent Accuvac® Ampules	Pk/25
701650	2503025	Hach DPD Total Chlorine Reagent Accuvac® Ampules	Pk/25
701692	2563000	Hach Chlorine Reagent Set (Total), Ultra Low Range DPD	20 Tests
700128	2556900	Hach Free Chlorine Reagent Set, CL17	Mo. Supply
701687	2557000	Hach Total Chlorine Reagent Set, CL17	Mo. Supply
701772	2630020	Hach Chlorine Standard, 25-30 mg/L, 2 mL PourRite	Pk/20
700020	2635300	Hach SpecCheck Secondary Gel Standards, DPD Chlorine LR	-
701783	2657512	Hach Phenol Red Indicator Solution, Spec. Grade	50 mL
701839	2686832	Hach Sodium Thiosulfate Solution, 2.12N	100 mL
701853	2700349	Hach Phenylarsine Oxide (PAO) Titrant, 0.00564N	500 mL
701929	2802299	Hach Monochlor F Reagent Powder Pillows	Pk/100
700018	2802300	Hach DPD Free Chlorine Reagent, Swiftest™ Dispenser	250 Tests
700019	2802400	Hach DPD Total Chlorine Reagent, Swiftest™ Dispenser	250 Tests
701965	2835900	Hach CL17 Calibration/Verification Refill Kit	
702008	2964926	Hach Freechlor F Reagent Solution	50 mL
700025	2980500	Hach SpecCheck Secondary Gel Standards, DPD Chlorine	-
700114	8499300	Hach Free Chlorine Chemkey Reagents, 0.04-4.00 mg/L Cl2	Pk/300
702448	9160600	Hach Free Chlorine Electrolyte for CLF10sc	100 mL
702454	9181400	Hach Total Chlorine Electrolyte for CLT10sc	100 mL
700115	9429000	Hach Free Chlorine Chemkey Reagents, 0.04-4.00 mg/L Cl2	Pk/25
700117	9429100	Hach Total Chlorine Chemkey® Reagents, 0.04-10 mg/L Cl2	Pk/25
702640	16701H	Hach Potassium Iodide, ACS	454 g
702641	16726H	Hach Potassium Iodide, ACS	100 g
700179	TNT866	Hach Free Chlorine TNTplus Vial Test, 0.05-2.00 mg/L Cl2	24 Tests
700180	TNT867	Hach Free and Total Chlorine TNTplus Vial Test	24 Tests
700815	199953	Hach Phenylarsine Oxide (PAO) Standard, 0.00564 N	1 L
701538	2409353	Hach Sodium Thiosulfate Standard, Stabilized, 0.0250 N	1 L

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Chlorine Dioxide			
700747	141832	Hach Hydrochloric Acid Standard Solution, 2.5 N	100 mL
701001	1436369	Hach Dechlorinating Reagent Powder Pillows	Pk/100
701123	2070042	Hach Chlorine Dioxide Reagent 1	100 mL
701124	2070142	Hach Chlorine Dioxide Reagent 2	100 mL
701125	2070242	Hach Chlorine Dioxide Reagent 3	100 mL
7000140121N8	2105569	Hach DPD Free Chlorine Reagent Powder Pillows, 10 mL	Pk/100
701259	2155332	Hach Buffer, Phosphate, pH 7, for Amperometric Chlorine	100 mL
701322	2242300	Hach Chlorine Dioxide Reagent Set, Chlorophenol Red	100 Tests
701649	2502025	Hach DPD Free Chlorine Reagent Accuvac® Ampules	Pk/25
701901	2762133	Hach Glycine Reagent, 10%	29 mL
701911	2770900	Hach Chlorine Dioxide Reagent Set, DPD Glycine	10 mL
702640	16701H	Hach Potassium Iodide, ACS	454 g
700815	199953	Hach Phenylarsine Oxide (PAO) Standard, 0.00564 N	1 L
702641	16726H	Hach Potassium Iodide, ACS	100 g
Chromium, Hexavalent & Total			
700823	204399	Hach Chromium 1 Reagent Powder Pillows	Pk/100
700824	204499	Hach Chromium 2 Reagent Powder Pillows	Pk/100
700835	212699	Hach Acid Reagent Powder Pillows	Pk/100
700919	1206699	Hach ChromaVer® 3 Chromium Reagent Pillows, 25 mL	Pk/100
700928	1271028	Hach ChromaVer® 3 Chromium Reagent Pillows, 5 or 10 mL	Pk/1000
700929	1271099	Hach ChromaVer® 3 Chromium Reagent Pillows, 5 or 10 mL	Pk/100
701323	2242500	Hach Chromium Total Reagent Set	100 Tests
700171	TNT854	Hach Chromium TNTplus Vial Test, 0.03-1.00 mg/L Cr	Pk/25
Cobalt			
700907	700599	Hach EDTA Reagent Powder Pillows	Pk/100
701256	2150166	Hach Phthalate-Phosphate Reagent Powder Pillows	Pk/50
701257	2150232	Hach PAN Indicator Solution, 0.3%	100 mL
701324	2242600	Hach Cobalt / Nickel Reagent Set, PAN Method, 25 mL	100 Tests
701757	2615199	Hach Phthalate-Phosphate Reagent Powder Pillows, 10 mL	Pk/100
701776	2651600	Hach Cobalt / Nickel Reagent Set, PAN Method, 10 mL	100 Tests
COD			
701246	2125815	Hach COD Digestion Vials, Low Range	Pk/150
701247	2125825	Hach COD Digestion Vials, Low Range	Pk/25
701248	2125915	Hach COD Digestion Vials, High Range	Pk/150
701249	2125925	Hach COD Digestion Vials, High Range	Pk/25
701544	2415815	Hach COD Digestion Vials, ULR, 1 to 40 mg/L COD	Pk/150
701545	2415825	Hach COD Digestion Vials, ULR, 1 to 40 mg/L COD	Pk/25
701546	2415915	Hach COD Digestion Vials, HR+, 200 to 15,000 mg/L COD	Pk/150

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
COD (continued)			
701547	2415925	Hach COD Digestion Vials, HR+, 200 to 15,000 mg/L COD	Pk/25
701695	2565025	Hach COD2 Digestion Vials, LR, Mercury-free	Pk/25
701696	2565115	Hach COD2 Digestion Vials, HR, Mercury-free	Pk/150
701697	2565125	Hach COD2 Digestion Vials, HR, Mercury-free	Pk/25
701962	2834325	Hach COD2 Digestion Vials, UHR, Mercury-free	Pk/25
700137	TNT820	Hach COD TNTplus Vial Test, ULR, 1-60 mg/L COD	Pk/25
700139	TNT821	Hach COD TNTplus Vial Test, LR, 3-150 mg/L COD	Pk/25
700140	TNT82106	Hach COD TNTplus Vial Test, LR, 3-150 mg/L COD	Pk/150
700141	TNT822	Hach COD TNTplus Vial Test, HR, 20-1,500 mg/L COD	Pk/25
700142	TNT82206	Hach COD TNTplus Vial Test, HR, 20-1,500 mg/L COD	Pk/150
700143	TNT823	Hach COD TNTplus Vial Test, UHR, 250-15,000 mg/L COD	Pk/25
700145	TNT824	Hach COD TNTplus Vial Test, UHR, 5,000-60,000 mg/L COD	Pk/25
700146	TNT825	Hach COD TNTplus, Mercury-Free, HR, 25-1,000 mg/L COD	Pk/25
Color			
700697	93153	Hach Sulfuric Acid Standard Solution, 10 N	1 L
700723	104553	Hach Sodium Hydroxide Standard Solution, 1.000 N	1 L
700746	141453	Hach Color Standard Solution, 500 Pt Co Units	1 L
701434	2321353	Hach Hydrochloric Acid Standard Solution, 1.00 N	1 L
Conductivity			
700829	210542	Hach Conductivity Standard Solution, 1990 µS/cm, NaCl	100 mL
701019	1440042	Hach Sodium Chloride Standard, 491 mg/L (1000 µS/cm)	100 mL
701020	1440049	Hach Sodium Chloride Standard, 491 mg/L (1000 µS/cm)	500 mL
701409	2307442	Hach Conductivity Standard Solution, 18000 µS/cm, NaCl	100 mL
701411	2307542	Hach Conductivity Standard Solution, 180 µS/cm, NaCl	100 mL

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Conductivity (continued)			
701412	2307553	Hach Sodium Chloride Standard, 85.47 mg/L (180 µS/cm)	1 L
701860	2714349	Hach Conductivity Standard, 35.0 ppt Salinity, 53.0 mS/cm	500 mL
702020	2971826	Hach Conductivity Standard Solution, 100 µS/cm, NaCl	50 mL
702034	2974649	Hach Natural Water Standard Solution, 300 ppm (TDS)	500 mL
703840	LZW9700.99	Hach Conductivity Standard Solution, 147 µS/cm, KCl	250 mL
703841	LZW9701.99	Hach Conductivity Standard Solution, 147 µS/cm, KCl	125 mL
703842	LZW9710.99	Hach Conductivity Standard Solution, 1413 µS/cm, KCl	250 mL
703843	LZW9711.99	Hach Conductivity Standard Solution, 1413 µS/cm, KCl	125 mL
703844	LZW9720.99	Hach Conductivity Standard Solution, 12.88 mS/cm, KCl	250 mL
703845	LZW9721.99	Hach Conductivity Standard Solution, 12.88 mS/cm, KCl	125 mL
704044	S51M002	Hach Conductivity Standard, 12.85 mS/cm, KCl 0.1D	500 mL
704046	S51M004	Hach Conductivity Standard, 1015 µS/cm, 0.05% NaCl	500 mL
704047	S51M013	Hach Certified Conductivity Standard, 25 µS/cm, NaCl 25	250 mL
Copper			
700610	28249	Hach Potassium Hydroxide Standard Solution, 8.00 N	500 mL
700970	1418828	Hach CuVer® 1 Copper Reagent Powder Pillows, 25 mL	Pk/1000
700971	1418899	Hach CuVer® 1 Copper Reagent Powder Pillows, 25 mL	Pk/100
701204	2105828	Hach CuVer® 1 Copper Reagent Powder Pillows, 10 mL	Pk/1000
701205	2105869	Hach CuVer® 1 Copper Reagent Powder Pillows, 10 mL	Pk/100

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Popular Hach Chemistries & Kits *(continued)*

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Copper <i>(continued)</i>			
701234	2118869	Hach Hydrosulfite Reagent Powder Pillows, 25 mL	Pk/100
701271	2182369	Hach Free Copper Reagent Powder Pillows	Pk/100
701284	2187399	Hach Copper Masking Reagent Powder Pillows, 25 mL	Pk/100
701285	2187469	Hach Porphyrin 1 Reagent Powder Pillows, 25 mL	Pk/100
701286	2187569	Hach Porphyrin 2 Reagent Powder Pillows, 25 mL	Pk/100
701583	2439200	Hach Copper Reagent Set, Free and Total	100 Tests
701651	2504025	Hach CuVer® 2 Copper Reagent AccuVac® Ampules	Pk/25
701729	2603300	Hach Copper Reagent Set, Porphyrin, 10 mL	100 Tests
701730	2603449	Hach Copper Masking Reagent Powder Pillows, 10 mL	Pk/100
701731	2603549	Hach Porphyrin 1 Reagent Powder Pillows, 10 mL	Pk/100
701732	2603649	Hach Porphyrin 2 Reagent Powder Pillows, 10 mL	Pk/100
700119	9429200	Hach Copper Chemkey® Reagents, 0.06-5.00 mg/L Cu	Pk/25
700174	TNT860	Hach Copper TNTplus Vial Test, 0.1-8.0 mg/L Cu	25 Tests
Cyanide			
700942	1403969	Hach CyaniVer® 3 Cyanide Reagent Powder Pillows, 25mL	Pk/100
700943	1404099	Hach CyaniVer® 4 Cyanide Reagent Powder Pillows, 25mL	Pk/100
700944	1404169	Hach CyaniVer® 5 Cyanide Reagent Powder Pillows, 25mL	Pk/100
701216	2106869	Hach CyaniVer 3 Cyanide Reagent Powder Pillows, 10 mL	Pk/100
701217	2106969	Hach CyaniVer 4 Cyanide Reagent Powder Pillows, 10 mL	Pk/100
701218	2107069	Hach CyaniVer 5 Cyanide Reagent Powder Pillows, 10 mL	Pk/100
701326	2242800	Hach Cyanide Reagent Set, CyaniVer, 25 mL	100 Tests
701560	2430200	Hach Cyanide Reagent Set, CyaniVer, 10 mL	100 Tests
Detergents			
700712	99949	Hach Wash Water Buffer Solution for Detergents	500 mL
700728	105932	Hach Detergents Reagent	100 mL
700748	143203	Hach Detergents Test Kit, Model DE-2	32 Tests
700991	1427110	Hach Detergent Standard Sol., 60 mg/L, 10 mL Ampules	Pk/16
Dissolved Oxygen			
700625	34932	Hach Starch Indicator Solution	100 mL
700706	98199	Hach Dissolved Oxygen 1 Powder Pillows, 60mL sample	Pk/100
700707	98299	Hach Dissolved Oxygen 2 Powder Pillows, 60mL sample	Pk/100
700726	105599	Hach Sulfamic Acid Powder Pillows	Pk/100
700730	107166	Hach Manganous Sulfate Powder Pillows	Pk/50
700731	107266	Hach Alkaline Iodide-Azide Reagent Powder Pillows	Pk/50
700732	107399	Hach Sulfamic Acid Powder Pillows	Pk/100
701022	1440101	Hach Sodium Thiosulfate Digital Titrator Cartridge, 2.00 N	40-100 Tests
701149	2076266	Hach Sulfamic Acid Powder Pillows	Pk/50

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Dissolved Oxygen <i>(continued)</i>			
701365	2267501	Hach Sodium Thiosulfate Digital Titrator Cartridge, 0.200 N	40-100 Tests
701373	2272200	Hach Dissolved Oxygen Reagent, Digital Titrator, 300 mL	50 Tests
701470	2351400	Hach Dissolved Oxygen Reagent Set, Buret, 300 mL	100 Tests
701538	2409353	Hach Sodium Thiosulfate Standard, Stabilized, 0.0250 N	1 L
701648	2501025	Hach Dissolved Oxygen AccuVac® Ampules, LR	Pk/25
701665	2515025	Hach Dissolved Oxygen AccuVac® Ampules, High Range	Pk/25
Fluoride			
700593	23249	Hach Fluoride Standard Solution, 100 mg/L as F- (NIST)	500 mL
700612	29149	Hach Fluoride Standard Solution, 1 mg/L as F- (NIST)	500 mL
700629	35949	Hach Fluoride Standard Solution, 10 mg/L as F- (NIST)	500 mL
700632	40502	Hach Fluoride Standard Solution, 0.2 mg/L as F (NIST)	500 mL
700633	40505	Hach Fluoride Standard Solution, 0.5 mg/L as F (NIST)	500 mL
700634	40508	Hach Fluoride Standard Solution, 0.8 mg/L as F (NIST)	500 mL
700637	40520	Hach Fluoride Standard Solution, 2 mg/L as F (NIST)	500 mL
700653	44417	Hach SPADNS Fluoride Reagent Solution	3.78 L
700655	44449	Hach SPADNS Fluoride Reagent Solution	500 mL
700656	44453	Hach SPADNS Fluoride Reagent Solution	1 L
700904	258999	Hach Fluoride Ionic Strength Adjustor (ISA) Powder Pillows	Pk/100
701653	2506025	Hach SPADNS Fluoride Reagent AccuVac® Ampules	Pk/25
701672	2527025	Hach SPADNS 2 (Arsenic-free) Reagent AccuVac® Ampules	Pk/25
701858	2712500	Hach SpecCheck Gel Secondary Standard Set, Fluoride	-
701872	2743811	Hach CA610 Fluoride Standard 1, 0.5 mg/L	473 mL
701924	2797111	Hach CA610 Fluoride Standard 2, 5.0 mg/L	473 mL
701944	2812811	Hach CA610 Fluoride Reagent 1 (TISAB)	473 mL
701947	2816900	Hach CA610 Fluoride Reagent Set	Mo. Supply
701995	2947517	Hach SPADNS 2 (Arsenic-free) Fluoride Reagent Solution	3.78 L
701996	2947549	Hach SPADNS 2 (Arsenic-free) Fluoride Reagent Solution	500 mL
701997	2947553	Hach SPADNS 2 (Arsenic-free) Fluoride Reagent Solution	1 L
702084	4450126	Hach Fluoride Half-Cell Electrode Filling Solution	50 mL
Formaldehyde			
701272	2182999	Hach Formaldehyde 1 Reagent Powder Pillows	Pk/100
701274	2183100	Hach Formaldehyde Test Kit, Model FM-1	100 Tests
700184	TNT871	Hach Formaldehyde TNTplus Vial Test, 0.5-10 mg/L	25 Tests

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Hardness			
700559	12153	Hach Calcium Standard Solution, 1000 mg/L as CaCO ₃	1 L
700586	20434	Hach EDTA, (TitraVer® Hardness Reagent), ACS Grade	500 g
700610	28249	Hach Potassium Hydroxide Standard Solution, 8.00 N	500 mL
700639	42432	Hach Hardness 1 Buffer Solution	100 mL
700640	42449	Hach Hardness 1 Buffer Solution	500 mL
700641	42453	Hach Hardness 1 Buffer Solution	1 L
700642	42532	Hach Hardness 2 Indicator Solution	100 mL
700643	42549	Hach Hardness 2 Solution	500 mL
700644	42632	Hach Hardness 3 Solution	100 mL
700645	42649	Hach Hardness 3 Solution	500 mL
700646	42653	Hach Hardness 3 Solution	1 L
700683	85199	Hach ManVer 2 Hardness Indicator Powder Pillows, 50 mL	Pk/100
700684	85299	Hach CalVer® 2 Calcium Indicator Powder Pillows, 50 mL	Pk/100
700696	92899	Hach ManVer® 2 Hardness Indicator Powder Pillows	Pk/100
700701	94799	Hach CalVer® 2 Calcium Indicator Powder Pillows	Pk/100
700702	96299	Hach UniVer® 3 Hardness Reagent Powder Pillows	Pk/100
700714	102149	Hach EDTA Standard Solution, 0.200 N	500 mL
700876	244932	Hach Sulfuric Acid Standard Solution, 5.25 N	100 mL
701002	1436401	Hach EDTA Digital Titrator Cartridge, 0.0800 M	40-100 Tests
701017	1439901	Hach EDTA Digital Titrator Cartridge, 0.800 M	40-100 Tests
701069	1495901	Hach EDTA Digital Titrator Cartridge, 0.714 M	40-100 Tests
701070	1496001	Hach EDTA Digital Titrator Cartridge, 0.1428 M	40-100 Tests
701104	2058016	Hach APA6000 Hardness Standard Solution	946 mL
701308	2229726	Hach EGTA Solution	50 mL
701316	2241732	Hach Alkali Solution for Calcium and Magnesium	100 mL
701318	2241832	Hach Calcium/Magnesium Indicator Solution	100 mL
701319	2241849	Hach Calcium/Magnesium Indicator Solution	500 mL
701320	2241926	Hach EDTA Solution, 1M	50 mL
701371	2272000	Hach Hardness (Total) Reagent Set, HA-DT	40-100 Tests
701432	2319900	Hach Hardness Reagent Set, Calmagite Colorimetric	100 Tests
701463	2349932	Hach EDTA Standard Solution, 0.035N	100 mL
701598	2447000	Hach Hardness (Calcium) Reagent Set, Buret	100 Tests
701599	2447200	Hach Hardness (Calcium) Reagent Set, LR, Digital Titrator	40-100 Tests
701600	2447500	Hach Hardness (Calcium) Reagent Set, HR, Digital Titrator	40-100 Tests
701601	2447600	Hach Hardness (Total) Reagent Set, Buret, LR	100 Tests
701602	2447700	Hach Hardness (Total) Reagent Set, Buret, HR	100 Tests
701603	2448000	Hach Hardness (Total) Reagent Set, LR, Digital Titrator	40-100 Tests
701604	2448100	Hach Hardness (Total) Reagent Set, HR, Digital Titrator	40-100 Tests
701607	2448700	Hach Hardness (Ca & Total Sequential) HR Reagent, DT	40-100 Tests

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Hardness (continued)			
701716	2589549	Hach Chlorophosphonazo Indicator Solution, ULR Hardness	500 mL
701717	2589599	Hach Chlorophosphonazo Indicator Pillows, ULR Hardness	Pk/100
701727	2603100	Hach Hardness (ULR) Reagent Set, Solution Pillows	100 Tests
701728	2603101	Hach Hardness (ULR) Reagent Set, Bulk Solution	250 Tests
701905	2768549	Hach Hardness buffer solution, SP510, 0.3,1,2,5 mg/l	500 mL
701907	2768749	Hach Hardness buffer solution for, SP510, 20 mg/l	500 mL
701908	2769049	Hach Hardness indicator solution, 1 mg/L	500 mL
701910	2769249	Hach Hardness Indicator Solution, 5 - 100 mg/L	500 mL
701971	2876453	Hach APA6000 Cleaning Solution	1 L
700122	8636400	Hach Hardness Chemkey® Reagents LR, 3-100 mg/L CaCO ₃	Pk/25
702690	21301H	Hach UniVer® 3 Hardness Reagent	454 g
702747	28232H	Hach Potassium Hydroxide Standard Solution, 8.00 N	100 mL
700168	TNT849	Hach Magnesium TNTplus Vial Test, 0.5 - 50 mg/L Mg	25 Tests
700182	TNT869	Hach Hardness TNTplus Vial Test, 20 - 350 mg/L as CaCO ₃	25 Tests
700605	27256	Hach Water, Deionized, Demineralized	4 L
Iron			
700615	30012	RoVer® Rust Remover, pk/12	Pk/12
700685	85428	Hach FerroVer® Iron Reagent Powder Pillows, 25 mL	Pk/1000
700686	85499	Hach FerroVer® Iron Reagent Powder Pillows, 25 mL	Pk/100
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N (1:1)	500 mL
700695	92799	Hach FerroVer® Iron Reagent Powder Pillows, 5 mL	Pk/100
700709	98499	Hach Sodium Periodate Pillows for Manganese, 25 mL	Pk/100
700716	103769	Hach Ferrous Iron Reagent Powder Pillows	Pk/100
700866	230149	Hach FerroZine® Iron Reagent	500 mL
700867	230166	Hach FerroZine® Iron Reagent Solution Pillows	Pk/50
701153	2081599	Hach Buffer Powder Pillows for Iron, Citrate Type	Pk/100
701154	2081669	Hach Sulfosalicylic Acid Powder Pillows	Pk/100
701155	2081701	Hach EDTA Digital Titrator Cartridge, 0.0716 M	40-100 Tests
701156	2081801	Hach EDTA Digital Titrator Cartridge, 0.716 M	40-100 Tests
701202	2105728	Hach FerroVer® Iron Reagent Powder Pillows, 10 mL	Pk/1000
701203	2105769	Hach FerroVer® Iron Reagent Powder Pillows, 10 mL	Pk/100
701263	2167969	Hach DEHA Reagent 1 Powder Pillows	Pk/100
701380	2275699	Hach TPTZ Iron Reagent Powder Pillows, 25mL	Pk/100
701609	2449200	Hach Iron (Total) Reagent Set, LR, Digital Titrator	100 Tests
701610	2449300	Hach Iron (Total) Reagent Set, HR, Digital Titrator	100 Tests
701654	2507025	Hach FerroVer® Iron Reagent Accuvac® Ampules	Pk/25
701679	2543768	Hach FerroMo™ Iron Reagent 1 Powder Pillows	Pk/25

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Iron (continued)			
701680	2543866	Hach FerroMo™ Iron Reagent 2 Powder Pillows	Pk/50
701681	2544800	Hach FerroMo™ Iron Reagent Set	100 Tests
701750	2608799	Hach TPTZ Iron Reagent Powder Pillows, 10 mL	Pk/100
701960	2833749	Hach Metals Quality Control for Drinking Water, Low Range	500 mL
700120	8636000	Hach Dissolved Iron Chemkey Reagents, 0.05-3.00 mg/L Fe	Pk/25
700173	TNT858	Hach Iron TNTplus Vial Test, 0.2-6.0 mg/L Fe	25 Tests
Lead			
700926	1261699	Hach DithiVer® Metals Reagent Powder Pillows	Pk/100
700974	1420299	Hach Buffer Powder Pillows for Heavy Metals, Citrate Type	Pk/100
701026	1445817	Hach Chloroform	4 L
701327	2243100	Hach Lead Reagent, Dithizone Method (No Air Shipments)	100 Tests
701328	2243101	Hach Lead Reagent, Dithizone Method, Air freight config.	100 Tests
701486	2368531	Hach pPb-1 Acid Preservative Solution	236 mL
701487	2368655	Hach pPb-2, Fixer Reagent Solution	43 mL
701488	2368749	Hach pPb-3, Eluant	500 mL
701489	2368855	Hach pPb-4, Neutralizer	22 mL
701490	2368964	Hach pPb-5, Indicator Reagent Powder Pillows	Pk/20
701497	2374755	Hach pPb-6, Decolorizer	10 mL
701498	2374820	Hach Lead Standard Solution, 10 mg/L as Pb (NIST)	25 mL
701500	2375000	Hach LeadTrak™ Reagent, Fast Column Extraction Method	20 Tests
700169	TNT850	Hach Lead TNTplus Vial Test, 0.1-2.0 mg/L Pb	25 Tests
700880	245053	Hach Sodium Hydroxide Standard Solution, 5.0 N	1 L
Manganese			
700708	98399	Hach Citrate Buffer Powder Pillows for Manganese	Pk/100
700709	98499	Hach Sodium Periodate Powder Pillows for Manganese	Pk/100
701044	1457799	Hach Ascorbic Acid Powder Pillows	Pk/100
700771	172533	Hach Rochelle Salt Solution	29 mL
701226	2107669	Hach Citrate Buffer Powder Pillows for Manganese, 10 mL	Pk/100
701227	2107769	Hach Sodium Periodate Powder Pillows, Manganese, 10 mL	Pk/100
701238	2122326	Hach Alkaline Cyanide Reagent	50 mL
701239	2122332	Hach Alkaline Cyanide Reagent	100 mL
701240	2122349	Hach Alkaline Cyanide Reagent	500 mL
701241	2122426	Hach PAN Indicator Solution, 0.1%	50 mL
701242	2122432	Hach PAN Indicator Solution, 0.1%	100 mL
701243	2122449	Hach PAN Indicator Solution, 0.1%	500 mL
701329	2243200	Hach Manganese Reagent, HR, 25 mL, Periodate Oxidation	100 Tests
701330	2243300	Hach Manganese Reagent Set, LR, PAN, 25 mL	100 Tests
701559	2430000	Hach Manganese Reagent Set, HR, 10 mL	100 Tests
701777	2651700	Hach Manganese Reagent Set, LR, PAN, 10 mL	50 Tests

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Microbiological			
700621	32215	Hach Brilliant Green Tubes	Pk/15
700952	1410415	Hach EC Medium MPN Tubes	Pk/15
700996	1430598	Hach MgCl2/Potassium Phosphate Buffer, 99 mL	Pk/25
701199	2101415	Hach Lauryl Tryptose Broth MPN Tubes, Concentrated	Pk/15
701255	2143166	Hach Buffered Dilution Water Pillows	Pk/25
701261	2162315	Hach Lauryl Tryptose Broth Tubes	Pk/15
701381	2277700	Hach Total Bacteria Media Set	Pk/15
701385	2282415	Hach EC Medium/Mug Tubes	Pk/15
701427	2319109	Hach Butterfield's Buffered Phosphate, 90 mL	EA
701428	2319110	Hach Butterfield's Buffered Phosphate, 450 mL	Pk/10
701429	2319125	Hach Butterfield's Buffered Phosphate, 90mL	Pk/25
701430	2319145	Hach Butterfield's Buffered Phosphate, 450 mL	EA
701436	2323212	Hach Presence/Absence Test	Pk/12
701437	2323250	Hach Presence/Absence Test	Pk/50
701492	2373220	Hach m-FC 2mL Glass Ampules	Pk/20
701493	2373250	Hach m-FC media, 2mL Plastic Ampules	Pk/50
701494	2373520	Hach m-Endo Broth, 2-mL PourRite Glass Ampules	Pk/20
701495	2373542	Hach m-Endo Broth, 100 mL glass bottle	50 Tests
701496	2373550	Hach m-Endo Broth, Plastic Ampules	Pk/50
701550	2428520	Hach m-FC w/ Rosolic Acid Broth, Glass Ampules	Pk/20
701551	2428550	Hach m-FC with Rosolic Acid, 2 mL plastic ampules	Pk/50
701626	2471515	Hach EC/MUG w/out Durham Tubes	Pk/15
701691	2560915	Hach A-1 Medium Broth MPN Tubes	Pk/15
701747	2608420	Hach m-ColiBlue24® Broth, Glass Ampules	Pk/20
701752	2610796	Hach Pathoscreen PP, 20ml	Pk/100
701931	2805215	Hach m-ColiBlue24® Prepared Agar Plates	Pk/15
Molybdenum			
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N (1:1)	500 mL
700956	1414669	Hach MolyVer® 1 Reagent Powder Pillows, 25 mL	Pk/100
700957	1414869	Hach MolyVer® 2 Reagent Powder Pillows, 25 mL	Pk/100
700967	1417869	Hach MolyVer® 3 Reagent Powder Pillows, 25 mL	Pk/100
701331	2243400	Hach Molybdenum Reagent Set, HR, 25 mL	100 Tests
701473	2352449	Hach Molybdenum 1 Reagent Powder Pillows, 20 mL	Pk/100
701474	2352512	Hach Molybdenum 2 Reagent Solution	50 mL
701476	2352532	Hach Molybdenum 2 Reagent Solution	100 mL
701478	2352769	Hach Molybdenum 1 Reagent Powder Pillows, 50 mL	Pk/100
701587	2440200	Hach Molybdenum Reagent Set, LR, 50 mL	100 Tests
701611	2449400	Hach Molybdenum Reagent Set, LR, 20mL	100 Tests
701736	2604100	Hach Molybdenum Reagent Set, HR, 10 mL	100 Tests
701737	2604299	Hach MolyVer® 1 Reagent Powder Pillows, 10 mL	Pk/100
701738	2604399	Hach MolyVer® 2 Reagent Powder Pillows, 10 mL	Pk/100
701739	2604499	Hach MolyVer® 3 Reagent Powder Pillows, 10 mL	Pk/100
701758	2615436	Hach CDTA Solution, 0.4M	15 mL

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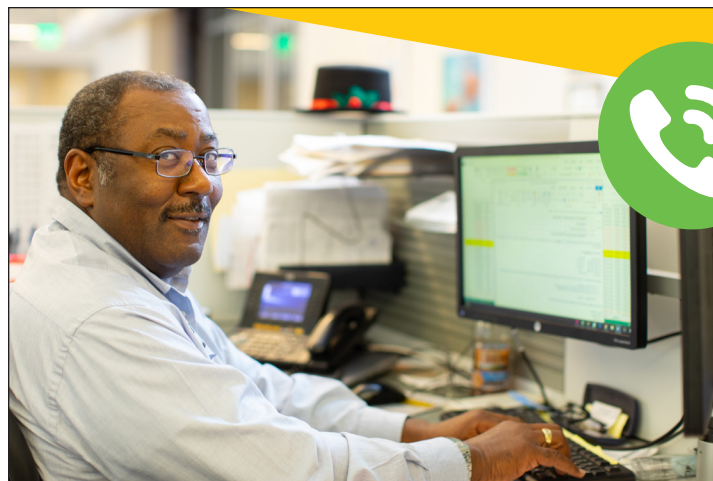




Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Monochloramine			
700771	172533	Hach Rochelle Salt Solution	29 mL
701928	2802246	Hach Monochlor F Reagent Powder Pillows	Pk/50
701929	2802299	Hach Monochlor F Reagent Powder Pillows	Pk/100
701930	2805145	Hach Monochloramine Reagent, Indophenol Meth. HR TNT	50 Tests
700113	9429400	Hach Monochloramine Chemkey Reagent, 0.04-4.0 mg/L Cl ₂	25 Tests
Nitrate			
700938	1403428	Hach NitraVer® 5 Nitrate Reagent Powder Pillows, 25 mL	Pk/1000
700939	1403499	Hach NitraVer® 5 Nitrate Reagent Powder Pillows, 25 mL	Pk/100
700940	1403546	Hach NitraVer® 5 Nitrate Reagent Powder Pillows, 5 mL	Pk/50
700941	1403599	Hach NitraVer® 5 Nitrate Reagent Powder Pillows, 5 mL	Pk/100
700946	1406599	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 25 mL	Pk/100
700954	1411999	Hach NitraVer® 6 Nitrate Reagent Powder Pillows, 30 mL	Pk/100
701209	2106169	Hach NitraVer® 5 Nitrate Reagent Powder Pillows, 10 mL	Pk/100
701219	2107169	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 10 mL	Pk/100
701434	2321353	Hach Hydrochloric Acid Standard Solution, 1.00 N	1 L
702043	2984799	Hach Nitrate Ionic Strength Adjustor Powder Pillows	Pk/100
700825	204649	Hach Nitrate Standard Solution, 1 mg/L	500 mL
700618	30749	Hach Nitrate Standard Solution, 10 mg/L as NO ₃ -N (NIST)	500 mL
700807	194749	Hach Nitrate Standard Solution, 100 mg/L	500 mL
700931	1279249	Hach Nitrate Standard Solution, 1000 mg/L	500 mL
701220	2107249	Hach NitraVer® 6 Nitrate Reagent Powder Pillows, 10 mL	Pk/100
701344	2245100	Hach Nitrogen-Nitrate Reagent, LR, 25 mL, Cadmium Red.	100 Tests

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Nitrate (continued)			
701557	2429800	Hach Nitrogen-Nitrate Reagent, LR, 10 mL, Cadmium Red.	100 Tests
701657	2511025	Hach NitraVer® 5 Nitrate Reagent Accuvac® Ampoules	Pk/25
701742	2605345	Hach NitraVer X Nitrogen-Nitrate Reagent Set, HR	50 Tests
700157	TNT835	Hach Nitrate TNTplus Vial Test, LR, 0.23-13.5 mg/L NO ₃ -N	Pk/25
700158	TNT836	Hach Nitrate TNTplus Vial Test, HR, 5-35 mg/L NO ₃ -N	Pk/25
Nitrite			
700780	181233	Hach Ferroin Indicator Solution	29 mL
700847	221969	Hach NitriVer® 2 Nitrite Reagent Powder Pillows, 25 mL	Pk/100
700876	244932	Hach Sulfuric Acid Standard Solution, 5.25 N	100 mL
700945	1406528	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 25 mL	Pk/1000
700946	1406599	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 25 mL	Pk/100
700948	1407899	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 5 mL	Pk/100
701219	2107169	Hach NitriVer® 3 Nitrite Reagent Powder Pillows, 10 mL	Pk/100
701225	2107569	Hach NitriVer® 2 Nitrite Reagent Powder Pillows, 10 mL	Pk/100
701368	2270701	Hach Ceric Standard Solution Digital Titrator Cart., 0.500 N	40-100 Tests
701746	2608345	Hach NitriVer 3 TNT Reagent Set, Nitrogen-Nitrite, LR	50 Tests
702485	9262900	Hach Nitrite Color Disc, 0-80, 0-1600 mg/L	
700123	9429300	Hach Nitrite Chemkey® Reagents, 0.005-0.6 mg/L NO ₂ -N	Pk/25
700160	TNT839	Hach Nitrite TNTplus Vial Test, LR, 0.015-0.600 mg/L NO ₂ -N	25 Tests
700161	TNT840	Hach Nitrite TNTplus Vial Test, HR, 0.6-6.0 mg/L NO ₂ -N	25 Tests
700162	TNT841	Hach Nitrite TNTplus Vial Test, UHR, 2 - 90 mg/L NO ₂ -N	25 Tests



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Popular Hach Chemistries & Kits *(continued)*

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Nitrogen			
701236	2119449	Hach Nessler Reagent	500 mL
701237	2119649	Hach Hydrogen Peroxide Solution, 50%	490 mL
701345	2251926	Hach TKN Indicator Solution	50 mL
701384	2278024	Hach Glycine p-Toluenesulfonic Acid	25 g
701501	2376526	Hach Polyvinyl Alcohol Dispersing Agent	50 mL
701503	2376626	Hach Mineral Stabilizer Solution	50 mL
701640	2495300	Hach Nitrogen (Total Kjeldahl) Reagent Set	250 Tests
701740	2604545	Hach Nitrogen-Ammonia Reag, TNT, AmVer (Salicylate), LR	25-50 Tests
701741	2604945	Hach Total Inorganic Nitrogen Pretreatment Reagent Set	25-50 Tests
701831	2672245	Hach Total Nitrogen Reagent Set, LR, TNT	25-50 Tests
701859	2714100	Hach Total Nitrogen Reagent Set, HR, TNT	25-50 Tests
702747	28232H	Hach Potassium Hydroxide Standard Solution, 8.00 N	100 mL
700148	TNT826	Hach Nitrogen (Total) TNTplus Low Range	Pk/25
700149	TNT827	Hach Nitrogen (Total) TNTplus High Range	Pk/25
700150	TNT828	Hach Nitrogen (Total) TNTplus Ultra-High Range	Pk/25
700192	TNT880	Hach Simplified TKN (s-TKN) TNTplus	Pk/25
ORP			
701422	2316949	Hach ZoBell's ORP/Redox Standard Solution	500 mL
701683	2546902	Hach KCl Reference Electrolyte Gel Cartridge	Pk/2
701755	2612520	Hach ORP Standard, Light's Solution Ampules, 20 mL	Pk/25
703825	LZW9509.99	Hach Electrolyte solution (KCl 3M)	50 mL
703826	LZW9510.99	Hach Filling Solution, Reference, 3 M KCl	125 mL
Ozone			
701667	2516025	Hach Ozone AccuVac® Ampules, Low Range	Pk/25
701668	2517025	Hach Ozone AccuVac® Ampules, Mid-Range	Pk/25
701670	2518025	Hach Ozone AccuVac® Ampules, High Range	Pk/25
701856	2708000	Hach SpecCheck Secondary Standard, Ozone, Mid-Range	Pk/4
Peracetic Acid			
700126	8635200	Hach Peracetic Acid Chemkey®	Pk/25
pH			
700589	21126	Hach Phenol Red Indicator Solution	50 mL
700009	21132	Hach Phenol Red Indicator Solution	100 mL
700765	147006	Hach pH Test Kit, 5.6 - 8.4 pH, Model 17F	200 Tests
700768	147011	Hach pH Test Kit, 4.0 - 10.0 pH, Model 17N	300 Tests
700076	1222149	Hach Buffer Solution, pH 10.01	500 mL
700077	1222156	Hach Buffer Solution, pH 10.01	4 L
700071	1222249	Hach Buffer Solution, pH 7.00	500 mL
700072	1222256	Hach Buffer Solution, pH 7.00	4 L
700067	1222356	Hach Buffer Solution, pH 4.01	4 L
700053	1405566	Hach Buffer Powder Pillows, pH 6.00	Pk/50
700058	1407995	Hach Buffer Powder Pillows, pH 8.00	Pk/15
700054	1409895	Hach Buffer Powder Pillows, pH 6.86	Pk/15

C&M PART #	MFG PART #	DESCRIPTION	SIZE
pH (continued)			
700059	1410766	Hach Buffer Powder Pillows, pH 9.00	Pk/50
700051	2226964	Hach Buffer Powder Pillows, pH 4.01 Color-coded Red	Pk/250
700050	2226966	Hach Buffer Powder Pillows, pH 4.01 Color-coded Red	Pk/50
700049	2226995	Hach Buffer Powder Pillows, pH 4.01 Color-coded Red	Pk/15
700057	2227064	Hach Buffer Powder Pillows, pH 7.00 Color-coded Yellow	Pk/250
700056	2227066	Hach Buffer Powder Pillows, pH 7.00 Color-coded Yellow	Pk/50
700055	2227095	Hach Buffer Powder Pillows, pH 7.00 Color-coded Yellow	Pk/15
700062	2227164	Hach Buffer Powder Pillows, pH 10.01 Color-coded Blue	Pk/250
700061	2227166	Hach Buffer Powder Pillows, pH 10.01 Color-coded Blue	Pk/50
700060	2227195	Hach Buffer Powder Pillows, pH 10.01 Color-coded Blue	Pk/15
700063	2283449	Hach Buffer Solution, pH 4.01, Color-coded Red	500 mL
700064	2283456	Hach Buffer Solution, pH 4.01, Color-coded Red	4 L
700065	2283461	Hach Buffer Solution, pH 4.01, Color-coded Red	20 L
700068	2283549	Hach Buffer Solution, pH 7.00, Color-coded Yellow	500 mL
700069	2283556	Hach Buffer Solution, pH 7.00, Color-coded Yellow	4 L
700070	2283561	Hach Buffer Solution, pH 7.00, Color-coded Yellow	20 L
700073	2283649	Hach Buffer Solution, pH 10.01, Color-coded Blue	500 mL
700074	2283656	Hach Buffer Solution, pH 10.01, Color-coded Blue	4 L
700075	2283661	Hach Buffer Solution, pH 10.01, Color-coded Blue	20 L
700590	21136	Hach Phenol Red Indicator Solution	15 mL
700591	21149	Hach Phenol Red Indicator Solution	500 mL
700596	25532	Hach Bromthymol Blue Indicator Solution	100 mL
700598	25732	Hach Thymol Blue Indicator Solution	100 mL
701438	2329232	Hach Bromcresol Green-Methyl Red Indicator Solution	100 mL
701439	2329236	Hach Bromcresol Green-Methyl Red Indicator Solution	15 mL
701440	2329249	Hach Bromcresol Green-Methyl Red Indicator Solution	500 mL
701441	2329332	Hach Wide Range pH Indicator Solution	100 mL
701442	2329353	Hach Wide Range pH Indicator Solution	1 L
701553	2429104	Hach APA6000 Process pH Electrolyte	Pk/4
701629	2481569	Hach Phenol Reagent Pillows (nonextraction method)	Pk/100
700079	2507200	Hach Buffer Solution Kit, Color-coded, 4.01, 7.00 and 10.01	4 L
701683	2546902	Hach KCl Reference Electrolyte Gel Cartridge	Pk/2
701725	2601300	Hach pH Paper, 0 - 14 pH Range	Pk/100
701783	2657512	Hach Phenol Red Indicator Solution, Spec. Grade	50 mL
701880	2745650	Hach pH Test Strips, 4-9 pH units	Pk/50
700048	2769820	Hach SINGLET™ Single-Use pH Buffer Kit, 7.00 & 10.01	Ea/10

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
pH (continued)			
700047	2769920	Hach SINGLET™ Single-Use pH Buffer Kit, 4.01 & 7.00	Ea/10
700044	2770020	Hach SINGLET™ Single-Use pH Buffer, 4.01	Pk/20
700045	2770120	Hach SINGLET™ Single-Use pH Buffer, 7.00	Pk/20
700046	2770220	Hach SINGLET™ Single-Use pH Buffer, 10.01	Pk/20
701967	2841700	Hach Filling Solution, Reference, 3 M KCl with AgCl	28 mL
702009	2965026	Hach Filling Solution, Reference, 2.44 M KCl	59 mL
702040	2975149	Hach Electrode Cleaning Solution, Minerals/Inorganic Samp	500 mL
702190	5194100	Hach pH Electrode Filling Solution	65 mL
700127	9759000	Hach pH Chemkey® Reagents, 6.3-9.0	Pk/25
702571	25118026	Hach Filling Solution, Reference, Saturated KCl	59 mL
702572	25118049	Hach Filling Solution, Reference, Saturated KCl	500 mL
703825	LZW9509.99	Hach Electrolyte solution (KCl 3M)	50 mL
703826	LZW9510.99	Hach Filling Solution, Reference, 3 M KCl	125 mL
704033	S11M001	Hach Certified Buffer Standard Solution, IUPAC, 1.679	500 mL
704040	S11M008	Hach Certified Buffer Standard Solution, IUPAC, 12.45	500 mL
704041	S21M001	Hach Filling Solution, Reference, KCl Crystals (KCl.C)	15 g
Phenols			
700640	42449	Hach Hardness 1 Buffer Solution	500 mL
700687	87299	Hach Phenol Reagent Powder Pillows	Pk/100
700787	183699	Hach Phenol 2 Reagent Powder Pillows	Pk/100
701026	1445817	Hach Chloroform	4 L
701334	2243900	Hach Phenols Reagent Set (No Air Shipments)	100 Tests
701629	2481569	Hach Phenol Reagent Pillows (nonextraction method)	Pk/100
701630	2483600	Hach Phenols Test Kit, Model PL-1	100 Tests
700181	TNT868	Hach Phenols TNTplus Vial Test, 5-150 mg/L	24 Tests
Phosphonates			
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N (1:1)	500 mL
700834	212599	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 25 mL	Pk/100
701162	2084769	Hach Potassium Persulfate Powder Pillows	Pk/100
701207	2106069	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 10 mL	Pk/100
701336	2244000	Hach Phosphonate Reagent Set, 25 mL	100 Tests
701556	2429700	Hach Phosphonate Reagent Set, 10 mL	100 Tests
Phosphorus			
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N (1:1)	500 mL
700697	93153	Hach Sulfuric Acid Standard Solution, 10 N	1 L
700729	106199	Hach Phosphate 2 Reagent Powder Pillows	Pk/100
700804	193432	Hach Amino Acid Reagent	100 mL
700833	212528	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 25 mL	Pk/1000

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Phosphorus (continued)			
700834	212599	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 25 mL	Pk/100
700844	220999	Hach PhosVer® 3 Phosphate Reagent Powder Pillows, 5 mL	Pk/100
700853	223632	Hach Molybdate Reagent	100 mL
700876	244932	Hach Sulfuric Acid Standard Solution, 5.25 N	100 mL
700879	245032	Hach Sodium Hydroxide Standard Solution, 5.0 N	100 mL
700881	245199	Hach Potassium Persulfate Powder Pillows	Pk/100
701146	2076032	Hach Molybdovanadate Reagent	100 mL
701147	2076049	Hach Molybdovanadate Reagent	500 mL
701206	2106028	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 10 mL	Pk/1000
701207	2106069	Hach PhosVer 3 Phosphate Reagent Powder Pillows, 10 mL	Pk/100
701337	2244100	Hach Phosphorus, Reactive, Reagent Set, Amino Acid	100 Tests
701613	2459000	Hach Phosphorus Digestion Reagent Set	100 Tests
701656	2508025	Hach PhosVer® 3 Phosphate Reagent AccuVac® Ampules	Pk/25
701723	2599849	Hach Molybdate Reagent Solution for Phosphorus	500 mL
701724	2599949	Hach Ascorbic Acid Reagent Dilution Solution, Phosphorus	450 mL
701775	2651255	Hach Ascorbic Acid Reagent Powder for Phosphorus	48 g
701836	2678600	Hach Phosphorus Reagent Set, Ascorbic Acid Rapid Liquid™	250 Tests
701867	2742545	Hach Phosphorus (Reactive) TNT Reagent Set, Low Range	Pk/50
701868	2742645	Hach Phosphorus (Total) TNT Reagent Set, Low Range	Pk/50
701869	2742745	Hach Phosphorus Total & Acid Hydrolyzable Reagent, LR	Pk/50
701903	2767245	Hach Phosphorus (Total) Reagent, HR Molybdovanadate	Pk/50
701904	2767345	Hach Phosphorus Reactive Reagent, HR Molybdovanadate	Pk/50
700124	8636500	Hach Orthophosphate Chemkey® Reagents High Range	Pk/25
700125	8636600	Hach Orthophosphate Chemkey® Reagents Low Range	Pk/25
702635	11032H	Hach Ammonium Molybdate Reagent	100 mL
700163	TNT843	Hach Phosphorus (Reactive and Total) TNTplus, Low Range	Pk/25
700164	TNT844	Hach Phosphorus (Reactive and Total) TNTplus, High Range	Pk/25
700165	TNT845	Hach Phosphorus (Reactive and Total) TNTplus, UHR	Pk/25
700166	TNT846	Hach Phosphorus (Reactive) TNTplus	Pk/25
Potassium			
701614	2459100	Hach Potassium Reagent Set	100 Tests

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Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Quaternary Ammonium Compounds			
700723	104553	Hach Sodium Hydroxide Standard Solution, 1.000 N	1 L
700743	127053	Hach Sulfuric Acid Standard Solution, 1.000 N	1 L
701515	2401066	Hach QAC Reagent 1 Powder Pillows	Pk/50
701516	2401268	Hach QAC Reagent 2 Powder Pillows	Pk/25
701543	2415342	Hach QAC Standard Solution, 100 mg/L	100 mL
701615	2459200	Hach QAC Reagent Set	100 Tests
Silica			
700579	19449	Hach Silica Standard Solution, 1000 mg/L as SiO ₂ (NIST)	500 mL
700718	104199	Hach Molybdate Reagent Pillows for HR Silica, 25mL	Pk/100
700719	104299	Hach Acid Reagent Powder Pillows, 25 mL	Pk/100
700743	127053	Hach Sulfuric Acid Standard Solution, 1.000 N	1 L
700808	199526	Hach Molybdate 3 Reagent Solution	50 mL
700809	199532	Hach Molybdate 3 Reagent	100 mL
700810	199549	Hach Molybdate 3 Reagent	500 mL
701036	1454899	Hach Citric Acid Powder Pillows for Silica, 25 mL	Pk/100
701211	2106269	Hach Citric Acid Reagent Powder Pillows for Silica, 10 mL	Pk/100
701222	2107369	Hach Molybdate Reagent Pillows for HR Silica, 10 mL	Pk/100
701224	2107469	Hach Acid Reagent Powder Pillows for HR Silica, 10-mL	Pk/100
701338	2244300	Hach Silica Reagent Set, HR, 25 mL	100 Tests
701346	2253869	Hach Amino Acid F Reagent Powder Pillows, 25 mL	Pk/100
701348	2254069	Hach Amino Acid F Reagent Powder Pillows, 10 mL	Pk/100
701349	2254232	Hach Citric Acid F Reagent Solution	100 mL
701350	2254249	Hach Citric Acid F Reagent Solution	500 mL
701455	2346800	Hach Silica Reagent Set, LR Silica, 25 mL	100 Tests
701456	2347003	Hach Citric Acid/Surfactant Reagent for S5000 Silica	2.9 L
701479	2353011	Hach Amino Acid F Dilution Solvent, for Rapid Liquid Silica	475 mL
701480	2353103	Hach Amino Acid F Reagent for S5000 Silica	2.7 L
701507	2386420	Hach Amino Acid F Reagent Solution (Ultra Low-Range)	Pk/20
701509	2386442	Hach Amino Acid F Reagent Solution	100 mL
701555	2429600	Hach Silica Reagent Set, High Range, 10 mL	100 Tests
701616	2459300	Hach Silica, Low Range, Reagent Set, 10mL	100 Tests
701685	2553500	Hach Silica Reagent Set, Ultra Low Range, Bulk Solution	100 Tests
701704	2581400	Hach Silica Reagent Set, Ultra Low Range	40 Tests
701774	2651155	Hach Amino Acid F Reagent Powder, for Rapid Liquid Silica	55 g
701835	2678500	Hach Silica Reagent Set, Ultra Low Range Rapid Liquid™	250 Tests

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Sodium			
701052	1474949	Hach Sodium Standard Solution, 1000 mg/L	500 mL
701424	2318153	Hach Sodium Standard Solution, 100 mg/L	1 L
702010	2965126	Hach Filling Solution, ISENa381, 0.02 M NH ₄ Cl	59 mL
702085	4451569	Hach Sodium/Potassium (ISA) Powder Pillows	Pk/100
Solids, Volatile Dissolved and Fixed Dissolved			
701051	1473649	Hach Ammonium Hydroxide Solution, 10%	500 mL
Sulfate			
700916	1206528	Hach SulfaVer® 4 Sulfate Reagent Powder Pillows, 25-mL	Pk/1000
700917	1206599	Hach SulfaVer® 4 Sulfate Reagent Powder Pillows, 25-mL	Pk/100
701215	2106769	Hach SulfaVer® 4 Sulfate Reagent Powder Pillows, 10 mL	Pk/100
700177	TNT864	Hach Sulfate TNTplus Vial Test, LR, 40-150 mg/L SO ₄	25 Tests
700178	TNT865	Hach Sulfate TNTplus Vial Test, HR, 150-900 mg/L SO ₄	25 Tests
Sulfide/Hydrogen Sulfide			
700782	181632	Hach Sulfide 1 Reagent, 100 mL MDB, 181632	100 mL
700784	181732	Hach Sulfide 2 Reagent, 100 mL MDB, 181732	100 mL
701339	2244500	Hach Sulfide Reagent Set, Methylene Blue, 2244500	100 Tests
700175	TNT861	Hach Sulfide TNTplus Vial Test, 0.1-2.0 mg/L	Pk/25
700605	27256	Hach Water, Deionized, Demineralized	4 L
Sulfite			
700625	34932	Hach Starch Indicator Solution	100 mL
700711	98799	Hach Dissolved Oxygen 3 Reagent Powder Pillows	Pk/100
700840	220399	Hach Sulfite 1 Reagent Powder Pillows	Pk/100
701071	1496101	Hach Iodate-Iodide Digital Titrator Cartridge	40-100 Tests
701374	2272300	Hach Sulfite Reagent Set, Digital Titrator	100 Tests
701618	2459800	Hach Sulfite Reagent Set, Buret Titration	100 Tests
700605	27256	Hach Water, Deionized, Demineralized	4 L
Surfactant			
700186	TNT874	Hach Anionic Surfactants TNTplus Vial Test	Pk/25
700194	TNT885	Hach Cationic Surfactants TNTplus Vial Test	Pk/25
700187	TNT875	Hach Nonionic Surfactants TNTplus, Low-Range	Pk/25
700188	TNT876	Hach Nonionic Surfactants TNTplus, High-Range	Pk/25
TOC			
701773	2641549	Hach Dilution Water, Organic Free	500 mL
701899	2760345	Hach Total Organic Carbon (TOC) Reagent Set, LR	25-50 Tests
701900	2760445	Hach Total Organic Carbon (TOC) Reagent Set, HR	25-50 Tests
701946	2815945	Hach Total Organic Carbon (TOC) Reagent Set, MR	25-50 Tests

Continued on Next Page





Popular Hach Chemistries & Kits (continued)

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Trihalomethanes			
700622	32332	Hach Sodium Thiosulfate Standard Solution, 0.1 N	100 mL
7000140121X2	1407099	Hach DPD Free Chlorine Reagent Powder Pillows, 25 mL	Pk/100
701652	2504810	Hach Chlorine Dosing Solution Ampules	Pk/16
701885	2753929	Hach THM Reagent 1 Solution	30 mL
701886	2754048	Hach THM Reagent 2 Solution	330 mL
701887	2754142	Hach THM Reagent 3 Solution	100 mL
701893	2756699	Hach THM Reagent 4 Powder Pillows	Pk/100
701917	2790800	Hach Total Trihalomethanes (THM) Reagent Set	50-99 Tests
Turbidity			
700605	27256	Hach Water, Deionized, Demineralized	4 L
700741	126936	Hach Silicone Oil	15 mL
700883	246142	Hach Formazin Turbidity Standard, 4000 NTU	100 mL
700884	246149	Hach Formazin Turbidity Standard, 4000 NTU	500 mL
701624	2464105	Hach Gelex Secondary Standards Kit, 2100P & 2100Q	Sealed Vials
701705	2584202	Hach Stablcal® Turbidity Standard, 7500 NTU	Sealed Vial
701708	2589000	Hach Gelex Secondary Turbidity Standard, 2100N & TL23	Sealed Vials
701715	2589200	Hach Gelex Secondary Turbidity Standard, 2100AN	Sealed Vials
701788	2659400	Hach Stablcal® Calibration, 2100P (<0.1, 20, 100, 800 NTU)	500 mL/Bot
701789	2659405	Hach Stablcal® Calibration, 2100P (<0.1, 20, 100, 800 NTU)	Sealed Vials
701790	2659410	Hach Stablcal® Calibration, 2100P (<0.1, 20, 100, 800 NTU)	100 mL/Bot
701791	2659500	Hach Stablcal® Calibration, 2100AN (<0.1 - 7500 NTU)	500 mL/Bot
701792	2659505	Hach Stablcal® Calibration, 2100AN (<0.1 - 7500 NTU)	Sealed Vials
701793	2659510	Hach Stablcal® Calibration, 2100AN (<0.1 - 7500 NTU)	100 mL/Bot
701794	2659600	Hach Stablcal® Turbidity Calibration, 20 NTU and <0.1 NTU	4 of 1 L Each
701795	2659742	Hach Stablcal® Turbidity Standard, <0.1 NTU	100 mL
701796	2659749	Hach Stablcal® Turbidity Standard, <0.1 NTU	500 mL
701797	2659753	Hach Stablcal® Turbidity Standard, <0.1 NTU	1 L
701799	2659842	Hach Stablcal® Turbidity Standard, 1.0 NTU	100 mL
701800	2659849	Hach Stablcal® Turbidity Standard, 1.0 NTU	500 mL
701801	2659853	Hach Stablcal® Turbidity Standard, 1.0 NTU	1 L
701803	2659942	Hach Stablcal® Turbidity Standard, 10 NTU	100 mL
701804	2659949	Hach Stablcal® Turbidity Standard, 10 NTU	500 mL
701805	2660142	Hach Stablcal® Turbidity Standard, 20 NTU	100 mL
701806	2660149	Hach Stablcal® Turbidity Standard, 20 NTU	500 mL
701807	2660153	Hach Stablcal® Turbidity Standard, 20 NTU	1 L
701808	2660242	Hach Stablcal® Turbidity Standard, 100 NTU	100 mL

C&M PART #	MFG PART #	DESCRIPTION	SIZE
Turbidity (continued)			
701809	2660249	Hach Stablcal® Turbidity Standard, 100 NTU	500 mL
701810	2660442	Hach Stablcal® Turbidity Standard, 200 NTU	100 mL
701811	2660449	Hach Stablcal® Turbidity Standard, 200 NTU	500 mL
701812	2660542	Hach Stablcal® Turbidity Standard, 800 NTU	100 mL
701813	2660549	Hach Stablcal® Turbidity Standard, 800 NTU	500 mL
701814	2660642	Hach Stablcal® Turbidity Standard, 1000 NTU	100 mL
701815	2660649	Hach Stablcal® Turbidity Standard, 1000 NTU	500 mL
701816	2662100	Hach Stablcal® Calibration, 2100N, (<0.1 - 4000 NTU)	500 mL/Bot
701817	2662105	Hach Stablcal® Calibration, 2100N, (<0.1 - 4000 NTU)	Sealed Vials
701818	2662110	Hach Stablcal® Calibration, 2100N, (<0.1 - 4000 NTU)	100 mL/Bot
701848	2697942	Hach Stablcal® Turbidity Standard, 0.30 NTU	100 mL
701849	2697953	Hach Stablcal®, 300 mNTU (0.30 NTU)	1 L
701850	2698042	Hach Stablcal® Turbidity Standard, 0.50 NTU	100 mL
701861	2714600	Hach Stablcal® ULR Verification Kit	100 mL/EA
701863	2723342	Hach Stablcal® Turbidity Standard, 0.10 NTU	100 mL
701864	2723353	Hach Stablcal®, 100 mNTU (0.10 NTU)	1 L
701881	2746353	Hach Stablcal®, Turbidity Standard, 40.0 NTU	1 L
701882	2746356	Hach Stablcal® Turbidity Standard, 40 NTU	3.78 L
701916	2788453	Hach Stablcal® Turbidity Standard, 800 mNTU (0.80 NTU)	1 L
702004	2961701	Hach Stablcal® Verification Standard for 2100Q, 10 NTU	Sealed Vial
702015	2971200	Hach Stablcal® Calibration Kit, 2100Q (20, 100, 800 NTU)	500 mL/Bot
702016	2971205	Hach Stablcal Kit, 2100Q (20, 100, 800, 10 NTU-Verification)	Sealed Vials
702017	2971210	Hach Stablcal® Calibration Kit, 2100Q (20, 100, 800 NTU)	100 mL/Bot
702073	4415600	Hach Calibration Cylinder Kit, Models 1720 E, D and C	500 mL
Volatile Acids			
701342	2244700	Hach Volatile Acids Reagent Set, Esterification	100 Tests
700185	TNT872	Hach Volatile Acids TNTplus Vial Test, 50-2,500 mg/L	Pk/25
Zinc			
700688	88449	Hach Hydrochloric Acid Standard Solution, 6.0 N (1:1)	500 mL
700935	1403268	Hach ZincoVer 5 Zinc Reagent Powder Pillows, 50 mL	Pk/25
700936	1403332	Hach Cyclohexanone	100 mL
701214	2106669	Hach ZincoVer® 5 Zinc Reagent Powder Pillows, 20 mL	Pk/100
701343	2244800	Hach Zinc Reagent Set, Zincon, 50 mL	100 Tests
701554	2429300	Hach Zinc Reagent Set, Zincon, 20 mL	100 Tests

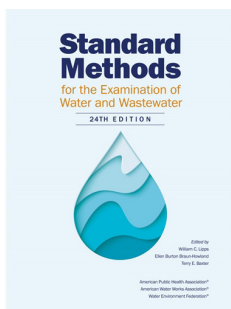
Polyester/Cotton Lab Coats

Knee-length lab coats are made of easy-care white cotton blend fabric (65% polyester, 35% cotton). Coats feature one upper left breast pocket, two roomy lower pockets, side slits for easy access to pants' pockets and a sewn-down back belt.

C&M PART #	MFG PART #	BASIC SIZE
706501	LCMS01	Small
706500	LCMM01	Medium
706499	LCML01	Large
706498	LCMXL1	X-Large
706497	LCMXXL1	2X-Large
706502	LCM3XL1	3XLarge



Standard Methods: Examination of Water and Wastewater



The new Standard Methods for the Examination of Water and Wastewater, 24th edition, is your guide for the most up-to-date water and wastewater analysis methods. This comprehensive resource contains step-by-step instructions for measuring the biological, chemical, and physical attributes of waters, and offers guidance for choosing among available methods for specific elements and compounds.

FEATURES & BENEFITS

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 Naegleria fowleri; 4500-H2O2 Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

C&M PART #	MFG PART #	DESCRIPTION
706037	StandardMethods-24	Standard Methods: Examination of Water and Wastewater, 24th Ed.

Ohaus® MB23 & MB27 Moisture Determination Balances

The Ohaus MB-series moisture determination balances provide dependable, accurate results and high quality, durable construction at an unbeatable value. View time, temperature, % moisture and % solids or weight (g) on the backlit LCD. Built-in bidirectional RS-232 port allows connection to a computer or printer for data transfer. The MB23 Balance has 110 g capacity and features non-glass infrared heating for excellent durability. The M27 Balance has 90 g capacity and features halogen heating system for fast, accurate heating.



FEATURES & BENEFITS

- Measure % moisture, % solid and weighing.
- Backlit liquid crystal display (LCD) makes it easy to see measurements.
- Set timer from 1 to 99 minutes in 30-second to 60-minute increments.
- 3 shut off criteria (manual, timed or auto), 1 standard heating profile.

INCLUDES

Balance, draft shield, in-use cover, pan support, 50 sample pans, glass fiber pad, 100 to 240 VAC power adapter and user manual, 2-year warranty.

SPECIFICATIONS

C&M PART #	READABILITY	REPEATABILITY	TEMP. RANGE	TEMP. INCR.
706054	0.01%/0.01g (10 mg)	±0.3% (3 g Sample); ±0.02% (10 g Sample)	50 to 160°C	5°C
706055	0.01%/0.001g	±0.2% (3 g Sample); ±0.05% (10 g Sample)	50 to 160°C	5°C

C&M PART #	MFG PART #	MODEL #	DESCRIPTION	CAPACITY (G)	HEATING
706054	83999801	MB23	MB23 Moisture Balance	110	Infrared Coil
706055	30251683	MB27	MB27 Moisture Balance	90	Halogen Lamp

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706064	80252476	Ohaus Holder Pan for Moisture Balances (MB23, MB25, MB27)
706065	80850086	Ohaus Aluminum Sample Pans for Moisture Balances, 50/Pack
706680	7228-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Ohaus® MB90 & MB120 Moisture Determination Balances

Measuring moisture content has never been easier than with the MB90 & MB120 Moisture Analyzers. The halogen heating and reflective sample chamber distribute heat uniformly and speed up the drying process, delivering fast and precise measurements. Designed for tool-free cleaning, its components can be easily removed for quick and easy maintenance.



Intuitive icon-driven menu and easy-to-read touchscreen display make operation quick and simple. Test endpoint shutoff criteria lets you determine when to end the drying. MB90 Balance has three settings—manual, timed or auto. MB120 has seven settings—manual, timed, autofree %/s, autofree mg/s, A30, A60 and A90. Auto setting ends the test automatically once moisture loss is no longer detected. A USB and RS-232 interfaces allow quick connections to a PC or flash drive for data transfer.

FEATURES & BENEFITS

- Percent moisture determination, percent moisture regain determination, percent solid determination, weighing
- 4.3" TFT color touchscreen display for quick operation
- Three shutoff criteria for MB90; seven shutoff criteria for MB120
- GLP/GMP data including date, time, company name, department and instrument ID
- 14 operational languages

INCLUDES

Balance, draft shield, tray pan, sample pans, pan support, glass fiber pad, pan-handle, spoon, power cable and quick guide. Two-year warranty.

SPECIFICATIONS

C&M PART #	706056	706053
Capacity (g)	90	120
Readability	0.01% / 0.001 g	0.01% / 0.001 g
Repeatability	±0.18% (3g Sample); ±0.02% (10g Sample)	±0.05% (3g Sample); ±0.015% (10g Sample)
Temperature Range (°C)	40 to 200	40 to 230
Temperature Readability (°C)	1	1
Drying profiles	Standard, fast	Ramp, standard, step, fast
Pan size (in., mm)	3.5 (90)	
Heating	Halogen Lamp	
Output	USB host, USB device and RS-232	
Power (VAC, Hz)	120, 60	

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (g)	HEATING
706056	30241164	MB90 Moisture Determination Balance	90	Halogen Lamp
706053	30241165	MB120 Moisture Determination Balance	120	Halogen Lamp

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706064	80252476	Ohaus Pan Holder for Moisture Balances (MB23, MB25, MB27)
706065	80850086	Ohaus Aluminum Sample Pans for Moisture Balances, Pack of 80
706680	7228-1	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Shel Lab Digital Laboratory Ovens

These Digital Laboratory Ovens have triple wall construction to ensure the outside stays cool even when the inside temperature is at its maximum of 306°C. Ovens feature a 99 hr. 59 min. countdown timer; when the timer reaches zero, the oven shuts off.

Select from gravity convection oven or forced air ovens. Gravity convection oven is ideal for processing powders and other products that may be disturbed by forced air. Forced air ovens offer faster heating time and better temperature uniformity. They include an advanced PID temperature control system for a sensitive response and are recommended for critical and analytical use in laboratory and pilot plant product research.

FEATURES & BENEFITS

- Microprocessor control with countdown timer
- Digital temperature display and timer
- 1.75" (45 mm) access port for thermocouple probe



INCLUDES

Adjustable shelves (wire shelves on gravity convection model, perforated shelves on forced air models), adjustable leveling feet, power cord and instruction manual. 2-year limited warranty.

SPECIFICATIONS

C&M PART #	MAX TEMP	CHAMBER (W x H x D)	EXTERIOR (W x H x D)	UNIFORMITY*	# SHELVES†
705659	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±3.5°C	2/7
705660	306°C	12.1" x 14.5" x 13.7"	22.7" x 31.5" x 23.5"	±2.3°C	2/6
705661	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±1.8°C	2/7
705662	306°C	21" x 20.7" x 19.4"	31.5" x 38.8" x 28.1"	±1.8°C	2/9

*At 150°C

†Included/max number

C&M PART #	MFG PART #	DESCRIPTION	SIZE (cu ft)	POWER (VAC, Hz)
705659	SLG322	Gravity Convection Oven	3.0	115, 50/60
705660	SMO1	Forced Air Oven	1.5	115, 50/60
705661	SMO3	Forced Air Oven	3.0	115, 50/60
705662	SMO5	Forced Air Oven	5.0	115, 50/60

Ohaus® Pioneer® Analytical Balances

The Pioneer PX combines essential weighing functionality with competitive performance, offering high accuracy and repeatability for applications in laboratory, industrial and education settings. The PX is affordably priced and intuitively designed for intelligent operation with a second line display for additional information, and USB and RS232 connectivity for easy communication.



The PX features six standard modes including Weighing, Parts Counting, Percent Weighing, Dynamic Weighing, Density Determination and Formulation. A real-time clock (RTC) keeps accurate time, even during power loss. GLP/GMP data output capability allows for sample name, project, user and balance IDs to be recorded, helping to meet traceability and compliance requirements. RS-232 and USB connections allow for easy data transfer.

FEATURES & BENEFITS

- High accuracy and reliability at an affordable price
- Backlit display is easy to read
- A cast metal lower housing, sub-pan and stainless-steel weighing pan offer durability

INCLUDES

Balance, draft-shield, stainless steel pan, 100 to 240 VAC power adapter and user manual, 2-year warranty.

SPECIFICATIONS

RESOLUTION	REPEATABILITY	LINEARITY	COMMUNICATIONS
0.1mg (0.0001g)	0.1mg	±0.2mg	RS-232, (2) USB

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (g)	CALIBRATION
706062	30429845	PX84/E Analytical Balance	82	External
706061	30429837	PX84 Analytical Balance	82	Internal
706058	30429846	PX124/E Analytical Balance	120	External
706057	30429838	PX124 Analytical Balance	120	Internal
706060	30429847	PX224/E Analytical Balance	220	External
706059	30430053	Analytical Balance, PX224	220	Internal

*Not Included, Order Separately

CALIBRATION MASSES

C&M PART #	MFG PART #	DESCRIPTION
706680	7228-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Ohaus® Adventurer® Analytical Balances

Striking the ideal balance between inventive features and functional, uncomplicated weighing capabilities, the Ohaus Adventurer incorporates all the applications necessary for routine weighing and measurement activities. With a color touchscreen, GLP/GMP compliance capabilities, two USB ports, and much more, Adventurer is the most complete balance in its class.



Adventurer balances feature a color touchscreen, icon-based user interface, and an ergonomic design making them easy to configure and use. Easily access nine application modes and eliminate the need to do manual calculations. Specialized weighing modes, multiple connectivity options, and AutoCal™ (select models) provide versatility and flexibility for a variety of applications.

FEATURES & BENEFITS

- 4.3" (109 mm) full-color VGA graphic touchscreen with icon-based interface for ease of use
- Durable construction and ease of use make these ideal for education and industrial environments
- QWERTY keypad is simple to use
- Glass draft shield with two-piece top mounted side doors and sliding top door, provide easy access to samples

INCLUDES

Balance, draft-shield, wind ring, software, 100 to 240 VAC adapter and user manual, 2-year warranty.

SPECIFICATIONS

RESOLUTION	REPEATABILITY	LINEARITY	COMMUNICATIONS
0.1mg (0.0001g)	0.1mg	±0.2mg	RS-232, (2) USB

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (g)	CALIBRATION	CALIBRATION MASS*
706046	30100601	AX124/E Analytical Balance	120	External	100g
706045	30100600	AX124 Analytical Balance	120	Internal	-
706049	30100603	AX224/E Analytical Balance	220	External	200g
706048	30100602	AX224 Analytical Balance	220	Internal	-

*Not Included, Order Separately

CALIBRATION MASSES

C&M PART #	MFG PART #	DESCRIPTION
706680	7228-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Ohaus® Explorer® Analytical Balances



The Ohaus Explorer Series of analytical balances combine modern features and design elements to offer unmatched functionality in a line of high-performance balances unlike any other on the market. These smart and intuitive balances and all their intelligent features simplify even the most complex laboratory measurements.

A detachable terminal with a large color touchscreen, programmable IR sensors, automatic doors, and a frameless draft-shield make Explorer analytical balances easy and convenient to use. Four-level user management with password protection and uneditable system log plus a high level of configurability make these balances well suited for regulatory applications.

FEATURES & BENEFITS

- 5.7" (145 mm) full-color VGA graphic touchscreen display with icons
- Four touchless sensors provide hands-free operation
- Internal AutoCal feature automatically calibrates the balance ensuring accuracy
- Flip-open top door and sliding side door allow easy access to samples
- Metal base, ABS top housing and stainless-steel pan provide excellent durability

INCLUDES

Balance, draft-shield, USB software, AC adapter and user guide, 2-year warranty.

SPECIFICATIONS

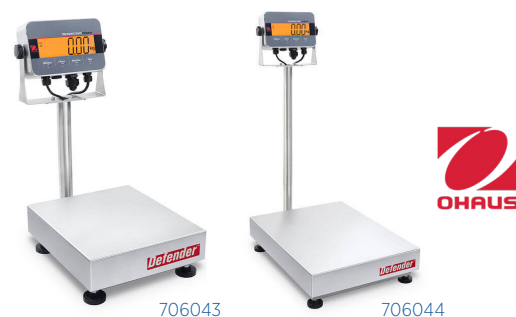
RESOLUTION	REPEATABILITY	LINEARITY	COMMUNICATIONS
0.1 mg (0.0001 g)	0.1 mg	±0.2 mg	Bidirectional RS-232, USB

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (G)	CALIBRATION
706051	83021331	EX124 Analytical Balance	120	Internal
706052	83021332	EX224 Analytical Balance	220	Internal

Ohaus® Defender® 3000 Washdown Bench Scales



The Defender 3000 Washdown Bench Scales are ideal for general weighing, simple counting and check weighing applications in damp environments, or when washdown cleaning is required. Scales feature an IP66-rated stainless steel (SS) indicator with tactile keys, multicolor backlit LCD display and an IP67-rated load cell with removable SS platform.

Scales include a 304 SS column to mount the display. Easily view the measurements on a large 6-digit LCD; large digits are easily visible even at a distance. Connect to a printer or computer via bidirectional RS-232 interface; optional second port USB or Ethernet connection is available.

INCLUDES

Indicator, base, column, 100 to 240 VAC power adapter, internal rechargeable battery and user manual, 1-year warranty.

SPECIFICATIONS

C&M PART #	CAPACITY	RESOLUTION	REPEATABILITY	COMMUNICATIONS	DIMENSIONS (W x H x D)
706043	60 lbs. (30 kg)	0.01 lb. (5 g)	±1d	RS-232	12" x 21.3" x 14"
706044	150 lbs. (75 kg)	0.02 lb. (10 g)	±1d	RS-232	16.5" x 35.3" x 21.6"

C&M PART #	MFG PART #	DESCRIPTION	COLUMN HEIGHT (cm)
706043	30685181	D33XW30C1R6 Washdown Bench Scale	33
706044	30685191	D33XW75C1L7 Washdown Bench Scale	68

Ohaus® Scout® Portable Balances

Ideal for laboratory and industrial applications, the Ohaus Scout comes in a slim, stackable design with large backlit LCD. Features include superior overload protection, multiple weighing units and application modes. Geared for high performance in your facility with fast stabilization time and high-resolution weighing results, these portable balances set a new standard in laboratory and industrial weighing.

Increase productivity with advanced weighing technology and stabilization time as fast as one-second. All models feature transportation lock, stainless steel pan, menu and calibration lockout switch, slip-resistant and adjustable feet, leveling bubble, stability indicator, auto tare, low-battery indicator and auto shut-off. Expanded connectivity options include RS232, USB host, USB device, and Ethernet.

FEATURES & BENEFITS

- Weighing, parts counting, percent weighing, check weighing, totalization and display hold
- Four-button operation for fast and easy set up and usage
- Accepts 4 AA Batteries (not included) for portability
- RS232, USB Host, USB Device, Ethernet or Bluetooth™ (available as an accessory)
- Backlit LCD makes it easy to see readings in dimly lit areas
- Superior overload protection—rated at 10x the capacity

INCLUDES

Weigh-below hook, calibration mass (for up to 620 g capacity balances), 100 to 240 VAC adapter and user manual, 2-year warranty.



SPECIFICATIONS

C&M PART #	RESOLUTION (g)	REPEATABILITY (g)	LINEARITY (g)	PAN DIMENSIONS
706068	0.01	0.01	±0.01	4.7" Diameter
706069	0.01	0.01	±0.01	4.7" Diameter
706070	0.1	0.1	±0.1	4.7" Diameter
706071	0.1	0.1	±0.1	6.7"L x 5.5"W
706067	0.1	0.1	±0.1	6.7"L x 5.5"W

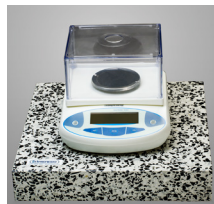
C&M PART #	MFG PART #	CAPACITY (g)	CALIBRATION	RECOMMENDED CALIBRATION MASS (g)
706068	SPX222	220	External	200 (Included)
706069	SPX422	420	External	200 (Included)
706070	SPX421	420	External	200 (Included)
706071	SPX621	620	External	300 (Included)
706067	SPX2201	2200	External	2000 (Not Included, Order Separately)

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706680	7228-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1T	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Bel-Art Vibrasorb® Vibration Dampening Mount

Vibrasorb® Vibration Dampening Mount protects electromechanical and optical equipment from excessive wear and structural damage that can be caused by exposure to vibration. Four Vibro-Absorber™ cushions with neoprene feet absorb vibrations down to 13 Hz with a 16 kg (35 lb.) load; with lighter load, the minimum frequency of damping increases to between 16 and 25 Hz.



FEATURES & BENEFITS

- Polished surface resists scratches and chemical attack
- 6.4 cm (2-1/2 in.) thick platforms; molded of dense black & white terrazzo

C&M PART #	MFG PART #	DESCRIPTION
700274	18386-0000	Vibration Dampening Mount, 18"L x 22"W x 3"H

Troemner NIST Traceable Calibration Weights

Troemner weight sets are made from high-quality stainless steel or aluminum. Weights come in a durable polycarbonate case with a compartment for each weight as well as compartments for a brush, forceps and USB flash drive. All Troemner Precision Weights are manufactured in the USA.



INCLUDES

Each set includes weight contents (see table below), lifting forceps, protective case and traceable certificate.

C&M PART #	MFG PART #	DESCRIPTION
706681	7224-1T	9-Piece Analytical Weight Set, Class 1, 1g to 100g (1 g, 2 x 2 g, 5 g, 10 g, 2 x 20 g, 50 g, and 100 g)
706680	7228-1T	21-Piece Analytical Weight Set, Class 1, 1 mg to 100 g (1 mg, 2 x 2 mg, 5 mg, 10 mg, 2 x 20 mg, 50 mg, 100 mg, 2 x 200 mg, 500 mg, 1 g, 2 x 2 g, 5 g, 10 g, 2 x 20 g, 50 g, and 100 g)

Aluminum Weighing Boats

Use these Aluminum Weighing Boats for general-purpose weighing, dispensing, storage, food processing, evaporating or drying applications. These sturdy yet lightweight boats feature a smooth, flat bottom for sample handling and a flanged, crimped wall for rigidity. Sold in pack of 100.



FEATURES & BENEFITS

- Smooth, flat bottom for sample handling
- Flanged, crimped wall offers rigidity
- Finger tab handle can be etched for identification prior to weighing

C&M PART #	MFG PART #	SIZE	DIMENSIONS (Dia. x H)
705149	HS14521A	Small	43 mm x 12 mm
705150	HS14521B	Medium	57 mm x 14 mm
705151	HS14521C	Large	70 mm x 16 mm

Spatulas



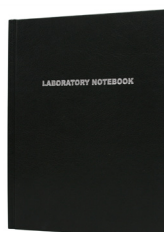
Easily transfer, lift and handles powders and granular materials using these spatulas. Spatulas are great for measuring very small amounts of material such as transferring dry chemicals during weighing.

FEATURES & BENEFITS

- Made from nickel-plated, stainless-steel wire
- Autoclavable

C&M PART #	MFG PART #	DESCRIPTION
705156	HS15906	Flat End (30 mm L) & Spoon End (12 mm L x 4 mm W)
705157	HS15907	Rounded Flat End (50 mm L x 8 mm W) & Tapered Flat End (45 mm L x 6.5 mm W)

Check out
our selection of
LAB NOTEBOOKS



Details and order information on **page 54**.

LabExact® Weighing Papers

Nitrogen-free, analytical purity grade weighing papers are used for conveying powder or paste to balances and instruments. Highly calendared (nontreated gloss) surface resists moisture and ensures samples do not stick to the paper. Durable cellulose-based weighing papers resist tearing during quadrant folding or moisture absorption.



FEATURES & BENEFITS

- Designed to increase abrasion durability during spatula scraping
- Demonstrates excellent lot-to-lot reproducibility
- Material chemistries are verified against a standard using GC techniques
- Tear resistance during quadrant folding or enveloping

C&M PART #	MFG PART #	DESCRIPTION
705518	W33	3"x 3", Pack of 500
705519	W44	4"x 4", Pack of 500
705520	W66	6"x 6", Pack of 500

Disposable Plastic Weigh Boats



Antistatic weighing boats feature smooth surfaces for minimal sample loss. Pour-Boat Weighing Boats have a flat bottom with flexible pour spout to easily dispense without flexing the dish. They are made from 12-mil thick polystyrene for better strength, stability, and handling. Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Standard Weighing Boats have a wide, flat bottom to resist tipping and round corners to simplify transfers. Sold in pack of 500.

C&M PART #	MFG PART #	SIZE	DIMENSIONS (L x W x H)
POUR-BOAT WEIGHING BOAT			
704892	120225	Small	43 x 58 x 13 mm
704893	120226	Medium	83 x 132 x 26 mm
704894	120227	Large	108 x 183 x 26 mm
STANDARD WEIGHING BOAT			
705114	HS1420AA	Small	46 x 46 x 8 mm
705116	HS1420BB	Medium	85 x 85 x 24 mm
705118	HS1420CC	Large	140 x 140 x 22 mm

SHEL LAB Water Baths

All SHEL LAB Water Baths utilize a digital set and digital read P.I.D. temperature controller that maximizes rapid heat-up without temperature overshoot. A microprocessor achieves precise temperature control regardless of how the unit is loaded. Calibration is performed directly from the front panel of each unit.

SHEL LAB Digital Water Baths are high-performance water baths that are accurate, easy to use, safe and durable. A unique lid design allows condensation to drain back into the tank without spilling onto the work area. Gasket around the water bath tank prevents water from dripping onto the controls. A warm air jacketed design radiates heat to the sides and bottom of the tank, eliminating hot spots. Seamless stainless-steel tank ensures there won't be any leaks. The radius corners of the tank make cleaning easy. Noncontact, recessed heating element prevents burnouts if the water level gets too low.

SHEL LAB Reciprocating/Shaking Water Baths deliver precise temperature control and a smooth reciprocal shaking motion. Shaking speed is variable from 20 to 200 oscillations per minute, and the stroke length can be adjusted to three separate settings: 0.5, 1.0 or 1.5 inches to minimize the chance of accidental spillage. Use bath with or without oscillation. The unique basket support system provides full support and free action for a heavily loaded basket and helps minimize tank wear.

SHEL LAB Circulating Water Baths are an excellent choice for research and quality control applications. Built-in circulating pump ensures uniform temperature around the samples. Baths are highly accurate, easy to use, rugged and safe.

FEATURES & BENEFITS

- Microprocessor Control
- Digital set temperature display
- Recessed Heating Element to Prevent Burnout
- Adjustable Stroke Length
- Thermometer Clip
- 24 Month Limited Warranty (excluding tank)

SPECIFICATIONS

C&M PART #	SHEL LAB DIGITAL WATER BATHS			SHEL LAB RECIPROCATING/ SHAKING WATER BATHS		SHEL LAB CIRCULATING WATER BATH
	705668	705669	705670	705672	705673	705671
Capacity (L)	7	15	23	17	27	22
Temperature Range (°C)	Ambient to 80	Ambient to 80	Ambient to 80	Ambient to 80	Ambient to 80	Ambient to 80
Temperature Uniformity (°C)	0.2	0.2	0.2	0.2	0.2	0.2
Temperature Stability (°C)	0.1	0.1	0.1	0.1	0.1	0.1
Tank Dimensions (in)	11.8W x 6H x 5.8D	11.8W x 6H x 13D	11.5W x 6H x 19.5D	14.7W x 7.5H x 11.7D	27W x 7.2H x 12D	11.5W x 6H x 19.5D
Overall Dimensions (in)	15W x 12H x 12.5D	15W x 12H x 19D	14.8W x 12H x 25D	24.7W x 15.2H x 14.6D	36.9 x 15.2H x 14.6D	14.9W x 12H x 28.9D
Power Requirements	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz	110-120 VAC, 50/60 Hz
Weight (lbs)	14	19	25	38	51	30



[705670](#)



[705673](#)



[705671](#)

C&M PART #	MFG PART #	DESCRIPTION
705668	SWB7	Digital Water Bath, 7 Liter
705669	SWB15	Digital Water Bath, 15 Liter
705670	SWB23	Digital Water Bath, 23 Liter
705672	SWBR17	Reciprocating/Shaking Water Bath, 17 Liter
705673	SWBR27	Reciprocating/Shaking Water Bath, 27 Liter
705671	SWBC22	Circulating Water Bath, 22 Liter

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700265	17093-0000	Aqua-Clear Water Conditioner, 100 mL
700286	18882-0000	Adjustable Water Bath Rack, 6 Places
700412	60510-0000	Enviro-Safe Thermometer, 24 to 57°C
700398	60202-0000	Individually Calibrated Liquid-In-Glass Lab Thermometer, -10 to 70°C
700399	60202-0100	Individually Calibrated Liquid-In-Glass Lab Thermometer, -20 to 110°C

Thermo Scientific™ Precision™ Fecal Coliform Water Baths

Thermo Scientific Precision Coliform Water Baths are designed specifically for fecal coliform testing. Easily scroll through the optimal preset temperatures of 35.0, 41.5, 44.5 and 45.5°C with the push of a button. Each bath is factory calibrated, with later field calibration enabled from the front panel without the need for tools. Seamless stainless-steel interior and epoxy powder-coated exterior are easy to clean and offer outstanding chemical and corrosion resistance.

INCLUDES

Stainless steel removable cover, diffuser shelf, power cord with grounded plug, 2-year warranty.



706682



706683

ThermoFisher
SCIENTIFIC

SPECIFICATIONS

C&M PART #	706682	706683
Capacity (L)	19	35
Preset Temps (°C)	35.0, 41.5, 44.5, 45.5	35.0, 41.5, 44.5, 45.5
Temperature Uniformity (°C)	±0.05	±0.05
Temperature Stability (°C)	±0.1	±0.1
Tank Dimensions (in)	15.3W x 7.6H x 12D	27.3W x 7.6H x 12D
Overall Dimensions (in)	24.9W x 9.8H x 15.5D	36.6W x 9.8H x 15.5D
Heater Output (W)	1200	1500
Power Requirements	115/230 VAC, 50/60 Hz	115/230 VAC, 50/60 Hz

C&M PART #	MFG PART #	DESCRIPTION
706682	TSCOL19	Coliform Water Bath, 19 L
706683	TSCOL35	Coliform Water Bath, 35 L

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700265	17093-0000	Aqua-Clear Water Conditioner
700286	18882-0000	Adjustable Water Bath Rack, 6 Places
700412	60510-0000	Enviro-Safe Thermometer, 24 to 57°C

Bel-Art Cleanware Aqua-Clear Water Conditioner

Protect water baths and other water systems against the growth of algae, bacteria, molds and biofilms with Aqua-Clear Water Conditioner. Just adding 2 mL per liter of water creates a blue tint, which fades after about 3 months, reminding you to change the water and add new conditioner.



SP Bel-Art

FEATURES & BENEFITS

- Protects pumps and thermostats and helps prevent tubing from clogging
- Does not contain any substance listed by California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

C&M PART #	MFG PART #	DESCRIPTION
700265	17093-0000	Water Conditioner, 100 mL

LabExact® Spill Containment Wipes

LabExact Disinfectant Wipes are heavy-duty wipes that get the job done. Highly durable woven cotton cloth is much thicker and stronger than synthetic nonwoven veil material. The 70% Isopropyl Alcohol content meets major regulatory and health agency recommendation for concentration strength. Made in the USA.



FEATURES & BENEFITS

- Saturated with 70% IPA for sanitizing surfaces and equipment
- 100% high-purity, 3x rinsed virgin cotton cloth
- 100% biodegradable and incinerate cleanly
- "Lay-flat" characteristics for reduced pulling

C&M PART #	MFG PART #	DESCRIPTION
705497	IWT-IPA70-CW66	Disinfectant Wipes, 6"x 6", 80 Sheets/Cannister

Bel-Art Enviro-Safe® Coliform Bath/Incubator Thermometer

This environmentally friendly thermometer is EnviroKleen™ certified and contain 100% nontoxic, nonhazardous, biodegradable, Enviro-Safe® green liquid. Achieve the same accuracy as similar mercury thermometers, but without the hazards. The green liquid stands out against white back glass, making it easy to read. Critical temperature points are marked at 25, 30, 37, and 56°C. Packed in recyclable Safety-Pak™ packaging.



SP Bel-Art

CERTIFICATIONS

- Greener Choice

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY (°C)	DIVISIONS (°C)	IMMERSION	LENGTH
700412	60510-0000	24 to 57	±0.5	0.5	35 mm (1.5")	175 mm (7")

KIMAX® Graduated Low-Form Glass Griffin Beakers

The KIMBLE® KIMAX low-form Griffin beakers have a thick, flared, beaded top with spout for excellent pouring characteristics. These beakers are manufactured from borosilicate 3.3 and feature a white marking area and easy-to-read white graduations. Suitable for use on a hotplate. Complies with ASTM Specifications E960, Type I requirements; Ref: ASTM Method D2070.



C&M PART #	MFG PART #	DESCRIPTION
706460	14000-10	Beaker, 10 mL
706464	14000-30	Beaker, 30 mL
706466	14000-50	Beaker, 50 mL
706461	14000-100	Beaker, 100 mL
706462	14000-150	Beaker, 150 mL
706463	14000-250	Beaker, 250 mL
706465	14000-400	Beaker, 400 mL
706470	14000-600	Beaker, 600 mL
706469	14000-1000	Beaker, 1000 mL
706468	14000-2000	Beaker, 2000 mL
706467	14000-4000	Beaker, 4000 mL
706212	14080-01	Starter Pack: Set of 10, 100, 250, 600 and 1000 mL

KIMAX® Heavy-Duty Glass Beakers

The KIMBLE® KIMAX heavy-duty low-form beakers have the thickest walls to prevent against breakage. These beakers are manufactured from borosilicate glass 3.3 and feature a durable marking area and easy-to-read white graduations. Complies with ASTM Specifications E960, Type II requirements.



C&M PART #	MFG PART #	DESCRIPTION
706473	14005-250	Beaker, 250 mL
706474	14005-400	Beaker, 400 mL
706476	14005-600	Beaker, 600 mL
706471	14005-1000	Beaker, 1000 mL
706472	14005-2000	Beaker, 2000 mL
706475	14005-4000	Beaker, 4000 mL
706211	14085-01	Starter Pack: Set of 250, 400, 600 and 1000 mL

BEAKERplus™ Combination Beaker and Flask



KIMBLE® BEAKERplus combines the features of a beaker and Erlenmeyer for ideal mixing and use with funnels or filters. The unique design features a wide fluted rim with pour spout and narrow neck to minimize splashing during vigorous agitation. Beakers are manufactured from borosilicate glass 3.3 and have a marking area and easy-to-read white graduations.

C&M PART #	MFG PART #	CAPACITY (mL)
706232	14035-150	150
706233	14035-250	250
706236	14035-500	500
706234	14035-1000	1000
706235	14035-2000	2000

KIMAX® Tall-Form Berzelius Glass Beakers

The KIMBLE® KIMAX tall form beakers are manufactured from borosilicate glass 3.3. Each beaker has a durable marking area for use with a pencil and easy-to-read white graduations. Complies with ASTM Specifications E960; Ref: ASTM Method D94.



C&M PART #	MFG PART #	CAPACITY (mL)
706423	14030-100	100
706425	14030-200	200
706426	14030-300	300
706427	14030-400	400
706428	14030-600	600
706424	14030-1000	1000

KIMAX® Color-Coded Low-Form Glass Griffin Beakers



The KIMBLE® KIMAX low-form Colorware beakers with brightly colored markings are easily identifiable and help reduce the risk of cross contamination. Each beaker has a durable color matte finish marking area and easy-to-read double scale color graduations. Beakers are manufactured from borosilicate glass 3.3 and complies with ASTM Specifications E960, Type I requirements; Ref: ASTM Method D2070.

C&M PART #	MFG PART #	CAPACITY (mL)	COLOR
706276	14000B-50	50	Blue
706283	14000G-50	50	Green
706290	14000R-50	50	Red
706297	14000Y-50	50	Yellow
706271	14000B-100	100	Blue
706278	14000G-100	100	Green
706285	14000R-100	100	Red
706292	14000Y-100	100	Yellow
706273	14000B-150	150	Blue
706280	14000G-150	150	Green
706287	14000R-150	150	Red
706294	14000Y-150	150	Yellow
706274	14000B-250	250	Blue
706281	14000G-250	250	Green
706288	14000R-250	250	Red
706295	14000Y-250	250	Yellow
706275	14000B-400	400	Blue
706282	14000G-400	400	Green
706289	14000R-400	400	Red
706296	14000Y-400	400	Yellow
706277	14000B-600	600	Blue
706284	14000G-600	600	Green
706291	14000R-600	600	Red
706298	14000Y-600	600	Yellow
706272	14000B-1000	1000	Blue
706279	14000G-1000	1000	Green
706286	14000R-1000	1000	Red
706293	14000Y-1000	1000	Yellow

SIBATA Glass Beakers



The SIBATA Glass Beakers are a low-form Griffin beaker made from high-quality borosilicate tubing with a low coefficient of expansion. Uniform wall thickness makes these ideal for heating applications. Beakers features an easy-pour spout, permanent white graduations and graduation accuracy of ±5% of full capacity.

C&M PART #	MFG PART #	CAPACITY (mL)	QTY/PACK
704293	10020-50A	50	10
704287	10020-100A	100	10
704289	10020-200A	200	10
704291	10020-300A	300	10
704292	10020-500A	500	10
704286	10020-1000A	1000	6
704288	10020-2000	2000	10
704290	10020-3000	3000	1

Bel-Art Graduated Polypropylene Beakers with Handles

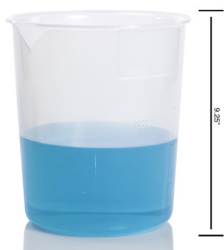
Tall-form beakers have handles and easy-pour spout for convenient lifting and pouring. Beakers feature raised graduations and can be used with wet or dry ingredients. Chemical-resistant translucent polypropylene construction; heat resistant to 121°C (250°F) and steam autoclavable.



C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATION (mL)
707414	F28989-0000	250	5
707415	F28990-0000	500	10
707416	F28991-0000	1000	10
707418	F28993-0000	1000	50
707417	F28992-0000	2000	20
707419	F28994-0000	3000	100

Bel-Art Polypropylene Griffin Beakers

The Bel-Art Griffin low-form beakers are steam autoclavable at 121°C (250°F) and microwavable. Beakers are made of chemical-resistant, translucent polypropylene that easily stack together without sticking, saving you counterspace. Raised numeric graduations show approximate volume (±5%).



C&M PART #	MFG PART #	CAPACITY (mL)	QTY/PK
705858	F26210-0000	50	12
705859	F26211-0000	100	12
705860	F26212-0000	150	12
705861	F26213-0000	250	6
705862	F26214-0000	400	6
705863	F26215-0000	600	4
705864	F26216-0000	1000	3
705865	F26217-0000	2000	1
705866	F26219-0000	4000	1

Nalgene™ Polypropylene Low-Form Griffin Beakers



Carry out precise and efficient pouring with Thermo Scientific™ Nalgene Griffin Low-Form Beakers, featuring a single-spout design and easy-to-read silk-screened graduation. Rib design allows for stacking for easy storage. Silk-screened size code, resin code, catalog number, max. temperature and “No Flame” symbol for easy identification and safe use. Autoclavable. Meets ISO/DIN 7056 International Standards for Laboratory Plasticware Accuracy.

C&M PART #	MFG PART #	CAPACITY (mL)
707420	1201-0030	30
707421	1201-0050	50
707422	1201-0100	100
707423	1201-0150	150
707424	1201-0250	250
707425	1201-0400	400
707426	1201-0600	600
707427	1201-1000	1000

Bel-Art Large Volume Polypropylene Beakers



These Bel-Art graduated beakers feature flared rims and spouts for quick, easy pouring when large volumes are handled. Polypropylene construction offers good chemical resistance. Steam autoclavable at 121 °C (250 °F).

C&M PART #	MFG PART #	CAPACITY (L)
705867	F26219-0005	5
700310	26219-0010	10

Disposable BOD Bottles

Use these disposable PET bottles for biological oxygen demand (BOD) analysis. The lightweight recyclable bottles have a 300-mL capacity and are unbreakable. Using a fresh, clean bottle for each analysis prevents cross contamination ensuring accurate results. Bottle feature a specially formulated carbon coating to prevent oxygen from diffusing in or out of your sample. Use the bottles straight from the box. Individually numbered bottles come packed in plastic-lined boxes to eliminate dust or residue from affecting BOD results.



FEATURES & BENEFITS

- Laboratory tested and approved for EPA method 5210B
- Save time, labor and water using disposable BOD bottles
- Bottles come ready for use—no need to preclean
- Easily identify samples with individually numbered bottles

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705744	D1001	Disposable BOD Bottle, 300 mL	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
70574768	D1025-GREEN	BOD Bottle Stoppers, Plastic, Green Cap	25
70574717	D1025-BLACK	BOD Bottle Stoppers, Plastic, Black Cap	25
705747A7	D1025-RED	BOD Bottle Stoppers, Plastic, Red Cap	25
70574719	D1025-BLUE	BOD Bottle Stoppers, Plastic, Blue Cap	25
706311	227672	BOD Bottle Stoppers, Glass	12
705746	D1050	BOD Bottle Overcaps	50

Wheaton® Glass BOD Bottles

These borosilicate glass BOD bottles are the standard for BOD analysis. All bottles have 300-mL capacity and feature flared lip and ground-glass stopper to prevent air entrapment and for water seal. Unnumbered bottles have a frosted marking area for writing the sample number. Numbered bottles feature silk-screened, sequential sample numbers and a bar code for quick and easy identification. Included pennyhead stopper works with both 60- and 300-mL size bottles.



FEATURES & BENEFITS

- 5-Day BOD test recommended
- Bottles have flared mouth, sloped shoulder and large marking area

INCLUDES

Glass Stopper

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
UNNUMBERED BOTTLES			
706847	227497-00G	Clear Glass BOD Bottles, 300 mL, Unnumbered	24
NUMBERED BOTTLES			
706840	227497-01G	Clear Glass BOD Bottles, 300 mL, Numbered 1 to 24	
706843	227497-02G	Clear Glass BOD Bottles, 300 mL, Numbered 25 to 48	
706844	227497-03G	Clear Glass BOD Bottles, 300 mL, Numbered 49 to 72	
706845	227497-04G	Clear Glass BOD Bottles, 300 mL, Numbered 73 to 96	
706846	227497-05G	Clear Glass BOD Bottles, 300 mL, Numbered 97 to 120	
706841	227497-06G	Clear Glass BOD Bottles, 300 mL, Numbered 121 to 144	
706842	227497-07G	Clear Glass BOD Bottles, 300 mL, Numbered 145 to 168	

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706311	227672	Replacement Pennyhead Stoppers	12
706417	227498	Clear Glass BOD Bottles without Stoppers, 300 mL, Unnumbered	24
705746	D1050	BOD Bottle Overcaps	50

BOD Bottle Overcaps

Standard Methods recommends the use of a cap over the mouth of a BOD bottle to prevent evaporation. These polyethylene overcaps fit snugly against the rim and shoulder of our disposable BOD bottles. Not for use with glass BOD bottles.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705746	D1050	Overcaps for Disposable BOD Bottles, Polyethylene	50

Wheaton® BOD Bottle Rack



Use these Wheaton Bottle rack to safely transport BOD bottles. Corrosion-resistant, stackable rack holds up to twelve 300 mL BOD bottles. Do not autoclave.

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY
706848	W227731	BOD Bottle Rack for 300-mL Bottles	12 Bottles

Parafilm® M Sealing Film

The Parafilm® M Sealing Film is a colorless, moisture-proof film that molds to the surface. It is a semi-transparent, flexible, thermoplastic film with two-way stretch. It is resistant up to 48 hours against many polar substances and prevents moisture and volume loss due to the material composition and tight seal. The sealing film stretches more than 200% of its original length, allowing it to cling to around irregular shapes and surfaces. Translucent natural color.



C&M PART #	MFG PART #	DESCRIPTION
705279	HS234526A	50 mm W x 75 m L
705280	HS234526B	100 mm W x 38 m L
705281	HS234526C	100 mm W x 75 m L

Wheaton® Wide-Mouth Jars

Clear, straight-sided wide-mouth glass jars are ideal for collecting soil samples. Each jar comes with a white polypropylene cap with PTFE-faced foamed polyethylene liner, hazardous communication (HAZCOM) labels and tamper evident seal. Use the HAZCOM label to mark content and safety notification; tamper evident seal protects contents from accidental misuse. Made of USP Type II soda-lime glass.



C&M PART #	MFG PART #	CAPACITY (oz)
706402	W216910	8
706400	W216911	16
706401	W216912	32

Wheaton Narrow-Mouth Glass Boston and Round Bottles



Clear and amber Type III soda-lime glass is ideal for solvent, chemical or sample storage. Packaged in convenience packs with polypropylene caps attached to maintain cleanliness. Caps include PTFE-faced foamed polyethylene liner. Use amber bottles for light sensitive samples.

C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
CLEAR BOTTLES			
706308	W216807	60	24
706305	W216808	125	24
706306	W216809	250	12
706307	W216810	500	12
706304	W216811	1000	12
AMBER BOTTLES			
706829	W216843	60	24
706826	W216844	12	24
706827	W216845	250	12
706828	W216846	500	12
706825	W216847	1000	12

Wheaton® Graduated Laboratory/Sample Bottles

Wheaton graduated sample bottles are ideal for general laboratory use, including mixing, storing or transporting samples, chemicals or solvents. Bottles feature a large white marking spot for easy sample ID. Made from low extractable, clear borosilicate glass that conforms to USP Type I and ASTM E 438 Type I, Class A requirements. Bottles come with PTFE rubber-lined black phenolic screw caps. Bottles and caps are autoclavable.



C&M PART #	MFG PART #	CAPACITY (mL)
706238	219817	250
706239	219819	500
706237	219820	1000

KIMBLE® Media/Storage Bottles

KIMBLE bottles are ideal for general laboratory use including mixing, storing or transporting samples, chemicals or solvents. Bottles have 30-mm ID opening and feature enhanced graduations and marking spot made with chemically resistant white enamel paint. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements. Autoclavable and supplied with liner-less GL 45 screw thread caps. Sold in Pack of 10.



C&M PART #	MFG PART #	CAPACITY (mL)
706412	14395-100	100
706414	14395-250	250
706415	14395-500	500
706413	14395-1000	1000

Bel-Art Precisionware Wide-Mouth Polypropylene Bottles

The Bel-Art translucent wide-mouth bottles are Boston round in style and feature smooth, rounded surfaces for easy pouring and cleaning. They are perfect packaging of both liquid and dry materials. Polypropylene caps with a ring-seal design provide a leakproof fit. Ribbed cap exterior allows for torque closure and easy opening. Autoclavable at 121°C (250°F); do not autoclave with cap in place.



C&M PART #	MFG PART #	CAPACITY (mL)	CAP SIZE (mm)	QUANTITY
705803	F10632-0005	125	38	12
705804	F10632-0006	250	45	12
705805	F10632-0007	500	53	12
705806	F10632-0008	1000	53	6

KIMAX® Glass Dilution Bottles

KIMAX dilution bottles feature a graduation mark at 99 mL, great for dilution for microbe testing (1:100). These bottles are manufactured from USP Type 1 borosilicate molded glass and have a square cross-section and a smooth marking spot. Autoclavable to 121°C without preconditioning. Black phenolic screw cap, supplied unattached, has a cemented-in rubber liner.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706731	14925-160	Square Graduated Milk Dilution Bottle, 160 mL	48

Thermo Scientific™ Nalgene™ Sterile Square Sampling Bottles

These lightweight, shatter-resistant, leakproof and sterile bottles come in a space-saving square design. Polyethylene terephthalate (PET) bottles with high-density polyethylene (HDPE) closure provide excellent gas barrier properties and reduced permeability to CO₂ and O₂ for storing and shipping of liquid samples and buffers. Transparent bottles feature molded-in graduations and neck ring for use with tamper evident shrink sleeves. Nonpyrogenic, noncytotoxic with gamma irradiated to 10⁻⁶ Sterility Assurance Level (SAL). Bottle and closure material are ADCF (Animal Derived Component Free).



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706608	342040-0125	Sterile Square PET Sampling Bottles, 125 mL	96

Thermo Scientific™ Nalgene™ Square Wide-Mouth HDPE Bottles

Transport, sample or store liquids and dry materials with these space-efficient square bottles. These wide-mouth bottles take up less shelf space than traditional round bottles and have straight sides and a wide mouth for easy filling. High-density polyethylene (HDPE) construction provides excellent chemical resistance to most acids, bases and alcohols and easily fit in freezer for storage down to -100°C (-148°F). Linerless polypropylene screw closures provide the ultimate in leakproof protection without the use of liner that can wrinkle, cause leaks, or contaminate your reagents.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706372	2114-0008	250	43	12
706373	2114-0016	500	53	12
706370	2114-0032	1000	63	6

Thermo Scientific™ Nalgene™ Autoclavable Wide-Mouth Bottles

These autoclavable wide-mouth polypropylene copolymer (PPCO) bottles provide easy filling of samples. Bottles are translucent and offer excellent chemical resistance to most acids, bases and alcohol. Caps don't have a liner that can wrinkle, cause leaks and contaminate your solutions, yet provide leakproof performance.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706677	2105-0004	125	38	12
706678	2105-0008	250	43	12
706679	2105-0016	500	53	12
706676	2105-0032	1000	53	6

Thermo Scientific™ Nalgene™ General-Purpose Wide-Mouth HDPE Bottles

Excellent chemical resistance to most corrosives makes these wide-mouth bottles versatile and indispensable in your lab. Ideal for storing, shipping and packaging liquid, uniform walls provide durability and resistance to splitting or punctures. Suitable for freezer use to -100°C (-148°F) and leakproof performance is guaranteed. Linerless caps provide the ultimate in leakproof protection without the use of liner that can wrinkle, cause leaks, or contaminate your reagents.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706579	2104-0004	125	38	12
706580	2104-0008	250	43	12
706581	2104-0016	500	53	12

Bel-Art Square HDPE Bottles

Leakproof, chemical-resistant bottles have heavy-threaded necks and tamper-proof, tear-lock closures. Molded of high-density polyethylene (HDPE) with deep-shelled, blue polypropylene closures. Ideal for storing or shipping samples.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
707428	F10904-0500	500	53	6
707429	F10904-1000	1000	53	6

Bel-Art Wide-Mouth HDPE Bottles

The Bel-Art translucent high-density polyethylene (HDPE) bottles feature a wide mouth for packaging of both liquid and dry materials. Bottles come with polypropylene closures and offer leakproof design.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
705780	F10625-0005	125	38	12
700199	10625-0006	250	45	12
705781	F10625-0007	500	53	12
705782	F10625-0018	1000	53	6

Thermo Scientific™ Nalgene™ Economy Wide-Mouth HDPE Bottles

Store general laboratory solutions in these lightweight, flexible HDPE economy bottles. Wide mouth makes these bottles easy to fill with solids or liquids. Linerless polypropylene caps ensure leakproof performance without a liner that can wrinkle, cause leaks and contaminate your solutions.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706586	2189-0002	60	28	72
706583	2189-0004	125	38	72
706584	2189-0008	250	43	72
706585	2189-0016	500	53	48
706582	2189-0032	1000	63	24

Thermo Scientific™ Nalgene™ Large Wide-Mouth HDPE Bottles

Perform a wide range of lab and field applications including dry chemical storage and water sampling with these Large Wide-Mouth HDPE Bottles with Closure. These high-density polyethylene bottles are good for use in the freezer to -100°C (-148°F) for long term storage. Chemical-resistant high-density polyethylene (HDPE) is compatible with a wide variety of lab reagents. These bottles are not liquid leakproof.



C&M PART #	MFG PART #	CAPACITY (L)	CLOSURE SIZE (mm)	QUANTITY
706576	2120-0005	2	100	6
706577	2120-0010	4	100	6

Bel-Art HDPE Jugs

Sturdy high-density polyethylene (HDPE) jugs feature a handle for easy carrying and pouring. Thickness: 0.0375" thick; diameter 16cm (6-1/4"); height: 29cm (11-1/2"); Cap closures are 38mm.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
707430	H10614-0001	Jug-Style Jug with Handle, 4 L	12

Bel-Art Economical Narrow- and Wide-Mouth LDPE Bottles



The Bel-Art translucent low-density polyethylene (LDPE) flexible bottles offer greater visibility than HDPE bottles. Bottles are perfect for sampling and general storage of liquids and powders. Polypropylene closures provide leakproof storage. Select from narrow-mouth or wide-mouth bottles.

C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
NARROW-MOUTH BOTTLES				
705770	F10621-0015	12	28	12
705771	F10621-0016	250	28	12
705768	F10621-0007	500	28	12
705769	F10621-0008	1000	38	6
WIDE-MOUTH BOTTLES				
705787	F10626-0005	125	38	12
705788	F10626-0006	250	45	12
705789	F10626-0007	500	53	12
705790	F10626-0018	1000	53	6

Bel-Art Wide-Mouth PP Mason Jars

The Bel-Art highly shock-resistant polypropylene (PP), heavy-walled mason jars are ideal for industrial waste sampling, long term storage and a variety of laboratory uses. Jars have standard 70-mm, G-threaded necks and come with screw caps with unique grip lugs and removeable silicone rubber ring seal. Both jars and caps are steam autoclavable at 121°C (250°F); loosen cap when autoclaving.



C&M PART #	MFG PART #	CAPACITY (L)	QUANTITY
700200	10913-0000	0.5	6
700201	10914-0000	1	6
700202	10915-0000	2	3
700203	10916-0000	4	2
700204	10917-0000	8	1

Thermo Scientific™ Nalgene™ Economy Narrow-Mouth HDPE Bottles

Store samples and daily working solutions like buffers and bench reagents in these narrow-mouth high-density polyethylene (HDPE) economy bottles. Linerless polypropylene caps ensure leakproof performance without a liner that can wrinkle, cause leaks and contaminate your solutions.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706319	2089-0004	125	24	72
706320	2089-0008	250	24	72
706321	2089-0016	500	28	48
706318	2089-0032	1000	38-430	24

Thermo Scientific™ Nalgene™ Unitary™ LDPE Wash Bottles

The unique design of these unitary wash bottles lets you easily dispense contents without tipping or shaking the bottle. Bottle and tubulation are molded in one-piece low-density polyethylene (LDPE) for uniform leakproof service. The tip delivers a straight, uniform, ultrafine stream, but can also be cut back to increase. Bottles are translucent and include a polypropylene screw closure.



C&M PART #	MFG PART #	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
706835	2402-0250	250	24	4
706836	2402-0500	500	38	4
706834	2402-1000	1000	43	2

Bel-Art LDPE Dropping Bottles

The sealer cap on these low-density polyethylene (LDPE) dispenser bottles snaps on easily and continues to hold a tight seal even after repeated use.



C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
707431	F11637-0012	15	12
707432	F11637-0001	30	12
707433	F11637-0002	60	12
707434	F11637-0004	12	12
707435	F11637-0008	250	12

Bel-Art LDPE Wash Bottles

Low-density polyethylene (LDPE) wash bottles come with polypropylene closures.



C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (mL)	CLOSURE SIZE (mm)	QUANTITY
700205	11618-0016	Narrow-Mouth Bottle	500	28	12
700206	11620-0500	Wide-Mouth Bottle	500	53	6

Wheaton® LDPE Dropping Bottles

Wheaton Dropping Bottle are made of low-density polyethylene (LDPE) and come with white screw cap and natural color tip. Extended controlled dropper tip dispenses one drop at a time with an average drop size of 44 µL.



C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
706830	211634	30	144
706831	211635	60	144

Kimble Amber Glass Dropping Bottle

Amber glass dropping bottles are designed to protect contents from UV rays and for storing light-sensitive products. Each bottle is supplied with 20-400 GPI screw cap, bulb and glass dropper assembled on the bottle. Manufactured from soda-lime glass conforming to USP Type III and ASTM E438, Type II requirements.



C&M PART #	MFG PART #	DESCRIPTION
706357	15040G-60	Amber Glass Dropping Bottle with Glass Dropper, 60 mL

Bel-Art Right-to-Know Wash Bottles



Quickly and easily identify bottle contents with color-coded caps and identification labels. Right-to-Know Safety-Labeled Wash Bottles are preprinted with the Chemical name and formula, the National Fire Protection Association (NFPA) Section 704 Four-color Diamond, health hazards, Chemical Abstract System (CAS) number and suggested protective clothing and equipment. A wide mouth opening of 53 mm (2") makes it easy to fill. Bottles comply with OSHA requirements outlined in Hazard Communication Standard 29 CFR 1910.1200.

Select from standard or vented wash bottles. Vented bottles feature a patented valve that help prevent pressure build-up and allow liquid to be dispensed in an upright or inverted position. Bottles (except assorted wash bottles C&M Part #700219) are sold in pack of four. Assorted bottles are sold in pack of six and include one each of Acetone, Bleach, Distilled Water, Ethanol, Isopropanol, and LYOB (Label-Your-Own-Bottle). Note: Use LYOB only with solvents compatible with LDPE.

C&M PART #	MFG PART #	DESCRIPTION	CAP COLOR	QUANTITY
STANDARD BOTTLES				
700207	11716-0003	Deionized Water Wash Bottles, 500 mL	Blue	4
700208	11716-0004	Distilled Water Wash Bottles, 500 mL	Blue	4
700209	11716-0008	Isopropanol Wash Bottles, 500 mL	Yellow	4
700210	11716-0009	Label-Your-Own-Bottle Wash Bottles, 500 mL	Natural	4
700211	11716-0011	Methanol Wash Bottles, 500 mL	Green	4
700212	11716-0014	Soap Wash Bottles, 500 mL	Blue	4
700213	11716-0015	Sodium Hypochlorite Wash Bottles, 500 mL	Yellow	4
700214	11716-0017	Water Wash Bottles, 500 mL	Blue	4
VENTED BOTTLES				
700219	11816-0050	Assorted Wash Bottles, Vented, 500 mL	Assorted	6
700215	11816-0004	Distilled Water Wash Bottles, Vented, 500 mL	Blue	4
700216	11816-0008	Isopropanol Wash Bottles, Vented, 500 mL	Yellow	4
700217	11816-0009	Label-Your-Own Wash Bottles, Vented, 500 mL	Natural	4
700218	11816-0015	Sodium Hypochlorite Wash Bottles, 500 mL	Yellow	4

KIMBLE® KIMAX® Glass Burets with Teflon Stopcock



Use these borosilicate glass burets for titrations requiring traceable volumetric accuracy. Each precision bore buret feature permanently marked individual serial number, easy-to-read white ceramic enamel scale, self-lubricating PTFE stopcock and is traceable to NIST standards. Designed from ASTM Specification E287, Class A requirements and manufactured to the specifications found in ASTM E694 and calibrated to the accuracy requirements found in ASTM Specification E542. Delivery stem of the 10 mL size is 115 mm long to meet requirements of potentiometric titration burets (ASTM D664).

INCLUDES

KIM-KAP® dust cap and certificate of Graduation Accuracy.

C&M PART #	MFG PART #	CAPACITY (mL)	SUBDIVISIONS (mL)	LENGTH (mm)
706767	17027F-10	10	0.05	664
706769	17027F-25	25	0.1	614
706770	17027F-50	50	0.1	745
706768	17027F-100	100	0.2	791

Vee Gee SIBATA Glass Burets with Teflon Stopcock



Designed "to deliver", these glass burets accurately dispense liquid and meet ASTM E-287 Class A specifications. Made from high-quality borosilicate tubing with a low coefficient of expansion, burets feature durable, permanent markings; fine, sharp lines; large easy-to-read numbers and PTFE stopcock.

C&M PART #	MFG PART #	CAPACITY (mL)	LENGTH (mm)
704367	21310-10	10	570
704368	21310-25	25	640
704369	21310-50	50	840

We stock KIMTECH KIMWIPES

Check out
page 44 for details
and order information.

Thermo Scientific™ Nalgene™ Automatic Self-Zeroing Acrylic Burets



Ensure repeatable, accurate results with Self-Zeroing Automatic Burets (meets ASTM E287). These acrylic burets are crystal clear, break-resistant, easy to use and safer than glass. Use burets with dilute mineral acids and bases except hydrofluoric acid and ammonium hydroxide. The pH range of 1 to 14 is ideal and up to 5% wt/wt of acids or 30% of bases can be used.

INCLUDES

Acrylic buret, LDPE squeeze bottle assembly, 3-ft PVC tubing and buret cover.

C&M PART #	MFG PART #	CAPACITY (mL)	SUBDIVISIONS (mL)	RESERVOIR (mL)	QUANTITY
706376	3640-0010	10	0.1	500	4
706377	3640-0025	25	0.1	500	4
706378	3640-0050	50	0.1	1000	4

Bel-Art Automatic Titrating Burets

These self-zeroing glass burettes have easy-to-read blue graduations against a white background. Delivery end is fitted into a plastic push button stopcock for drop-by-drop delivery; adjusts drop speed as needed for titration using the small screw clamp. Polyethylene (PE) filling tube extends from the top of the burette into the bottle reservoir; bottle, screw cap and round base are constructed of polyethylene. Graduation accuracy is Class B.

INCLUDES

Buret, PE bottle, screw cap and base.



C&M PART #	MFG PART #	CAPACITY (mL)	DIVISIONS	RESERVOIR (mL)
700382	37918-0109	10	1/20	500
700383	37918-0111	25	1/10	1000

KIMBLE® KIMAX® Automatic Zero Burets with Bottle

KIMAX automatic burets are used in applications requiring the highest degree of precision and accuracy for volumetric analysis. These precision-bore burets are ideal for repeat titrations requiring traceable volumetric accuracy or when the titrant should not be handled. Burets feature chemically resistant, self-lubricating PTFE stopcock, ground tips for uniform outflow and easy-to-read black enamel scale. Burets are permanently marked with an individual serial number and traceable to NIST Standards.

INCLUDES

Reservoir bottle, U-shaped drying tube, vented connecting tube, rubber squeeze bulb, #1 single-holed rubber stopper, PTFE stopcock plug, 1/4" ID rubber tubing and a certificate of Graduation Accuracy.



C&M PART #	MFG PART #	CAPACITY (mL)	SUBDIVISIONS (mL)	TOLERANCE (mL)	RESERVOIR (mL)
706477	17124F-10	10	0.05	±0.02	1000
706479	17124F-25	25	0.1	±0.03	1000
706480	17124F-50	50	0.1	±0.05	2000
706478	17124F-100	100	0.2	±0.10	2000

Support Bases and Rods

Use support stand to hold a funnel during filtration and extraction process. The stamped-steel base and zinc-plated steel rod come with cast-iron rings with boss head clamps for support; the cast-iron base with black enamel finish and zinc-plated steel rod that do not come equipped with support rings.



707436

707440

C&M PART #	MFG PART #	BASE SIZE (in.)	ROD LENGTH (in.)	ROD DIAMETER (in.)	RING SIZE (in.)
STEEL BASE & ROD					
707436	SET462	4 x 6	18	5/16	3, 4
707437	SET583	5 x 8	20	3/8	3, 4, 5
707438	SET694	6 x 9	24	1/2	3, 4, 5, 6
707439	SET615	6 x 11	36	1/2	2, 3, 4, 5, 6
TRIANGULAR CAST-IRON BASE & ROD					
707440	TSR318	3	18	5/16	
707441	TSR420	4	20	3/8	
707442	TSR524	5	24	1/2	
707443	TSR636	6	36	1/2	

Bel-Art HDPE Jerricans



705814



705821



High-density polyethylene (HDPE) jerricans have a unique 20 cm (8") long spout with a built-in air vent. Spout retracts into the threaded collar to conserve space; collar is sealed by leakproof screw cap. Extra hand grip on the bottom gives positive control when pouring, while extra headspace in jerrican accommodates for expansion of contents. Graduated in U.S. gallons and liters. The 5-gallon jerrican has a 2.5 cm (1") I.D. pouring spout; other sizes have 1.9 cm (3/4") I.D. spouts.

Jerricans are available with or without a spigot. Spigot makes it easier to dispense liquids with one hand. A simple half turn of the spigot opens or closes valve for a smooth flow.

C&M PART #	MFG PART #	CAPACITY
JERRYCAN WITH SPIGOT		
705819	F11859-0010	5 L (1-1/4 Gallon)
705820	F11859-0025	10 L (2-1/2 Gallon)
705821	F11859-0050	20 L (5 Gallon)
JERRYCAN WITHOUT SPIGOT		
705814	H10935-0000	5 L (1-1/4 Gallon)
705815	H10936-0000	10 L (2-1/2 Gallon)
705816	H10937-0000	20 L (5 Gallon)

Bel-Art Autoclavable PP Carboys



705818



705811



Rugged large carboys are ideal for storing and dispensing large batches of distilled water and other solutions. Polypropylene construction provides excellent chemical resistance. Lightweight, durable carboys feature extra-heavy walls for long life and dependability and large handles for easy transportation. Heavy knurling on cap provides excellent grip for opening and closing. A built-in thermos plastic elastomer on cap offers a positive seal. Smooth outer surface accepts adhesive labels and can be marked with most indelible markers. Carboys are steam autoclavable at 121°C.

Carboys are available with or without a spigot. Spigot makes it easier to dispense liquids with one hand. A simple half turn of the spigot opens or closes valve for a smooth flow; low placement of the spigot provides a more complete drainage.

C&M PART #	MFG PART #	CAPACITY
CARBOYS WITH SPIGOT		
705817	F11846-0025	10 L (2.6 Gallons)
705818	F11846-0050	20 L (5.3 Gallons)
CARBOYS WITHOUT SPIGOT		
705811	F10794-0025	10 L (2.6 Gallons)
705812	F10794-0050	20 L (5.3 Gallons)

Bel-Art PE Carboys with Spigot

Use carboys with spigot to easily dispense cleaning solutions, disinfectants and laboratory. Lightweight, durable polyethylene (PE) is resistant to most corrosive acids and alkalis; extra-heavy walls offer durability and dependability. Heavy knurling on cap provides excellent grip for opening and closing. Only half turn of the spigot opens or closes valve for a smooth flow. Smooth outer surface accepts adhesive labels and can be marked with most indelible markers.



C&M PART #	MFG PART #	CAPACITY	BOTTLE/CAP MATERIAL
707444	F11847-0010	4 L (1 Gallon)	LDPE/PP
707445	F11847-0020	8 L (2 Gallon)	LDPE/LDPE
707446	F11847-0050	20 L (5 Gallon)	HDPE/HDPE

ANSELL MICROFLEX GLOVES

Choose from our selection of over twenty different varieties of vinyl and nitrile Microflex gloves for the lab and plant.



MICROFLEX®

For details and order information, see **pages 102-108**.

Raven Process Centrifuge



The Raven Process Centrifuge is specifically designed for process control sampling applications to determine solids concentration in percent volume. Tracking the percent of solids in a given sample provides operators with proactive information for process adjustments.

Quickly run six samples at once on the process centrifuge. The number of solids in the bottom of the tube represents the “% of solids” of the sample. Electronic timer and digital display with a 15-minute speed key streamlines the testing procedure.

FEATURES & BENEFITS

- Exceptionally smooth and quiet operation
- The LCD display indicates when the rotor is spinning
- An audible beep sounds when the cycle is complete
- Corrosion-resistant stainless steel and aluminum construction provide durability and easy cleaning.

INCLUDES

Centrifuge, rubber feet and six 19-mm diameter centrifuge tubes. One-year warranty.

C&M PART #	MFG PART #	DESCRIPTION
700443	F-10300	Raven Process Centrifuge

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700445	B-10101-19	Raven Centrifuge Tubes, 19 mm Diameter, Box of 12*

*Note: the centrifuge tubes that are included cannot be used with flammables, solvents, or cooking oils.

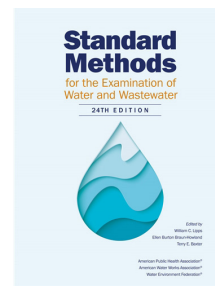
Raven Centrifuge Tubes

Raven Plastic Centrifuge Tubes have a conical-shaped bottom to allow very small amounts of solids compacted in the bottom to be measured. The tubes feature brightly marked, easy-to-read graduations from 0.2 to 100%. These durable polycarbonate tubes are impact resistant and manufactured by Raven to fit in the trunnion rings of the Raven F-10300 Process Centrifuge's rotor.



C&M PART #	MFG PART #	DESCRIPTION
700445	B-10101-19	Centrifuge Tubes, 11 mL, 19 mm diameter, Box of 12

Standard Methods: Examination of Water and Wastewater



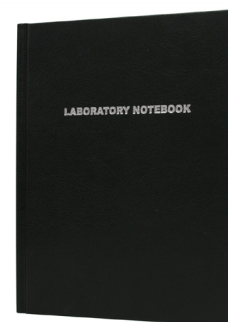
The new Standard Methods for the Examination of Water and Wastewater, 24th edition, is your guide for the most up-to-date water and wastewater analysis methods. This comprehensive resource contains step-by-step instructions for measuring the biological, chemical, and physical attributes of waters, and offers guidance for choosing among available methods for specific elements and compounds.

FEATURES & BENEFITS

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 Naegleria fowleri; 4500-H2O2 Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

C&M PART #	MFG PART #	DESCRIPTION
706037	StandardMethods-24	Standard Methods: Examination of Water and Wastewater, 24th Ed.

Check out
our selection of
LAB NOTEBOOKS



Details and order information on **page 54.**

Kimtech Science® Kimwipes® Wipers

Quickly and easily wipe up liquids and dust using Kimwipes wipers. Light-duty wipers handle a variety of delicate tasks such as cleaning parts, instruments and laboratory lenses. Extra low-lint, 100% virgin wood fiber wipers are soft and nonabrasive—excellent for delicate surfaces. The antistatic dispenser reduces electrostatic discharge and dispenses wipers one at a time.



C&M PART #	MFG PART #	SIZE	WIPES/BOX
1-PLY WIPES			
108045	34155	4.4" x 8.4"	280
108044	34133	11.8" x 11.8"	196
108046	34256	14.7" x 16.6"	140
2-PLY WIPES			
108047	34705	11.8" x 11.8"	119
108048	34721	14.7" x 16.6"	90
3-PLY WIPES			
108049	34743	11.8" x 11.8"	119

CiDehol® 70 Cleaner/Sanitizer

CiDehol 70 Cleaner/Sanitizer is a 70% isopropyl alcohol (IPA) / 30% USP purified water solution that meets USP specifications. The solution evaporates completely, eliminating the need to rinse. Use it to clean and sanitize lab equipment and surfaces.



C&M PART #	MFG PART #	DESCRIPTION
706303	8432	32 oz Spray Bottle
706302	8401	1 Gallon Jug

BACDOWN® Hand Soap

BACDOWN Professional Hand Soap cleans your hands without drying or chapping. Specially formulated coconut-based surfactants are gentle to the skin even with repeated hand scrubbing.



C&M PART #	MFG PART #	DESCRIPTION
706223	7001	1 L Bottle with Pump
706224	7005	5 L Refill

Bel-Art Labmat™ Bench Liner



Disposable Labmat Bench Liner speeds clean-up and safeguards work surfaces from stains, spills and wear. Highly absorbent upper surface traps up to 420ml/m² of water, dyes or corrosive chemicals, while flexible nonskid polyethylene film backing prevents soak-through of most solutions. Roll is easily cut with scissors while it is retained in dispenser. Simply roll up and discard after contamination.

C&M PART #	MFG PART #	DESCRIPTION
700300	24675-0000	Bench Liner, 50 ft L x 20"W, White

Bel-Art Lab-Aire® II Drying Racks

Place this single-sided drying rack against a wall or mount on a wall to conserve bench space. Rugged ABS plastic and contrasting blue pegs will never corrode and easily wipe clean. Rack comes with three sizes of pegs (3", 4" and 5") that can be repositioned to hold a variety of labware. Drip/storage tray have scalloped wells to hold thin labware such as burets and pipets. A sturdy base provides excellent balance and support.



C&M PART #	MFG PART #	DESCRIPTION
700287	18933-0011	Single-Sided Drying Rack, 14.75" x 5" x 9.4"

Bel-Art Stainless Steel Sponges

Use the stainless-steel sponge to scrub glassware and stainless-steel products without scratching. Sponge is flexible enough to clean hard-to-reach areas, clean with or without detergents.



C&M PART #	MFG PART #	DESCRIPTION
700263	17085-0000	Stainless Steel Sponge, approx. 6.4 x 10 cm

Labconco® FlaskScrubber™ and SteamScrubber™ Dish Washers

Labconco Glassware Dishwashers feature a 5" full-color touch screen interface and use the CleanWorks OS software to provide intuitive and clear monitoring of wash loads, ensuring repeatable, effective and traceable cleaning. Washers reach a maximum of 93°C wash temperature to remove stubborn contaminants. Select FlaskScrubber or SteamScrubber depending on your glassware cleaning needs.

FlaskScrubber Glassware Washers are designed for efficient and consistent washing of narrow-neck glassware and general-purpose labware. Forced air spindle injection drying ensures thorough drying inside and out. FlaskScrubber models include a 36-place lower spindle rack, and may be outfitted with a wide variety inserts and additional racks to accommodate all types of labware.

SteamScrubber Glassware Washers are designed for efficient and consistent washing of general-purpose labware such as wide-mouth beakers. Heated air forced into the chamber effectively dries glassware. SteamScrubber models include lower and upper standard racks to accommodate a wide variety of racks and inserts making these washers extremely versatile for all washing needs.

FEATURES & BENEFITS

- Touch screen display with intuitive CleanWorks OS software
- Max wash temperature 93° C removes tough contaminants
- Advanced wash pump maximizes water circulation up to 112 gal/min (424 liters/min)
- Durable Type 304 stainless steel chamber and racks



C&M PART #	MFG PART #	DESCRIPTION	POWER (VAC, HZ)
FLASKSCRUBBER WASHERS ORDERING TABLE			
706511	412001000	Freestanding	115, 60
706512	412001010	Freestanding	208/230, 50/60, 1-Phase
706513	411001000	Undercounter	115, 60
706514	411001010	Undercounter	208/230, 50/60, 1-Phase
STEAMSCRUBBER WASHERS ORDERING TABLE			
706515	402001000	Freestanding	115, 60
706516	402001010	Freestanding	208/230, 50/60, 1-Phase
706517	401001000	Undercounter	115, 60
706518	401001010	Undercounter	208/230, 50/60, 1-Phase

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706532	4401501	10-Pin Labware Insert
706533	4589201	18-Place BOD Bottle Insert
706534	4401801	32-Pin Labware Insert
706535	4401901	Retainer Top
706375	4653500	Base Stand

Labconco® LabSolutions® Detergents

Labconco Labsolutions Detergents are specially formulated for Labconco glassware washers. Use detergents to remove a wide range of laboratory contaminant. Detergents rinse completely for exceptionally clean labware.

Nonfoaming Powder Detergent contains phosphates, and a 1% solution has a pH of approximately 12.5. Available in 10 lb. and 27.5 lb. pails.

Low-Foaming Liquid Detergent has a noncorrosive formula that won't degrade stainless steel, glass or plastic. Phosphate-free for environmentally safe disposal and chlorine-free. May be used in hot or cold water.

Neutralizing Acid Rinse is specially formulated to remove hard water deposits, mineral deposits and accumulated lime scale that can cloud glassware. Mild acid corrects pH reducing alkaline detergent residue. Fills reservoir approximately 6 times.



C&M PART #	MFG PART #	DESCRIPTION	# OF LOADS
706519	4422100	Powder Detergent, 27.5 lb	400
706864	4422000	Powder Detergent, 10 lbs	140
706660	4522000	Low-Foaming Liquid Detergent, 1 Gallon	160
706661	4522200	Neutralizing Acid Rinse, 34 oz	6

Alconox® Cleaning Products

Alconox Powdered Precision Cleaner is a concentrated, anionic detergent for manual and ultrasonic cleaning. Cleaner rinses completely with no residues—ideal for cleaning contaminants from glassware, metals, plastics, ceramic, porcelain, rubber and fiberglass. It is biodegradable and makes an excellent replacement for corrosive acids and hazardous solvents.



C&M PART #	MFG PART #	DESCRIPTION
706012	1104-1	Alconox Powdered Cleaner, 4 lb
706013	1125	Alconox Powdered Cleaner, 25 lb

Alcojet® Low-Foaming Powdered Detergent

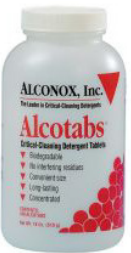
is a nonionic detergent for use in labware washers, parts washers, power-spray systems and manual and ultrasonic cleaners. Detergent rinses completely with no residues—ideal for cleaning contaminants from glassware, metals, plastics, ceramic, porcelain, rubber and fiberglass. Detergent is biodegradable and come concentrated to save you money; dilute 1:200.



C&M PART #	MFG PART #	DESCRIPTION
706016	1404-1	Alcojet Powder Detergent, 4 lb
706017	1425	Alcojet Powder, Detergent 25 lb

Alcotabs Critical Cleaning Detergent Tablets

are an effervescent detergent tablet designed to clean lab pipette. Maximum cleaning in syphon pipette washers to clean pipettes and tubes. Slow-release bubble action and free rinsing produce reliable results and no interfering residues. Use to pass your cleaning validation tests for lab accreditation and plant inspection approval. They are biodegradable and readily disposable.



C&M PART #	MFG PART #	DESCRIPTION
706018	1500-1	Alcotabs Tablets, 100 Tablets/Bottle

Citrajel® Low-Foaming Acid Cleaner are a phosphate-free, concentrated, liquid cleaner. It also a high-performance metal brightener for removing metal oxides, scales, salts and inorganic residues in labware washers, parts washers, power-spray systems and ultrasonic cleaners. Corrosion inhibited and free rinsing leaving no interfering residues. Ideal for acid washing and rinsing. Detergent is biodegradable and comes concentrated to save you money; dilute 2:100.



C&M PART #	MFG PART #	DESCRIPTION
706023	2001-1	Citrajel Acid Cleaner, 1 Gallon (3.8 L)

Citranox® Liquid Acid Cleaner and Detergent is a phosphate-free, concentrated cleaner and metal brightener for high performance removal of metal oxides, scale, salts and inorganic residues in manual and ultrasonic cleaning. Corrosion inhibited and free rinsing for reliable results and no interfering residues. Ideal for trace metal analysis. Detergent is biodegradable and comes concentrated to save you money; dilute 2:100.



C&M PART #	MFG PART #	DESCRIPTION
706021	1801-1	Citranox Acid Cleaner and Detergent, 1 Gallon (3.8 L)

Detergent 8® Low-Foaming Ion-Free Detergent

is excellent for labware washers, PC board washers, power-spray systems and ultrasonic cleaners. Detergent removes oils, resins, and fluxes from PC circuit boards, electronic parts, phosphate sensitive labware and nuclear contaminated equipment with no interfering conductive residues. Excellent replacement for solvent cleaning. Detergent is biodegradable and comes concentrated to save you money; dilute 3:100.



C&M PART #	MFG PART #	DESCRIPTION
706020	1701-1	Detergent 8 Detergent, 1 Gallon (3.8 L)

Detojet® Low-Foaming Liquid Detergent is a concentrated, highly emulsifying and penetrating formula. Detergent rinses completely with no residues. Protects interior working parts of washers. Detergent is biodegradable and comes concentrated to save you money; dilute 1:200.



C&M PART #	MFG PART #	DESCRIPTION
706019	1601-1	Detojet Liquid Detergent, 1 Gallon (3.8 L)

Liquinox® Critical Cleaning Liquid Detergent is a concentrated, anionic phosphate-free detergent for manual and ultrasonic cleaning. Detergent rinses completely with no residues. Extremely mild and completely soluble in hard and soft water. Detergent is biodegradable and comes concentrated to save you money; dilute 1:100.



C&M PART #	MFG PART #	DESCRIPTION
706014	1201-1	Liquinox Liquid Detergent, 1 Gallon (3.8 L)

Continued on Next Page

Alconox® Cleaning Products (continued)

Luminox® Low-Foaming Neutral Cleaner is a low foaming, neutral pH detergent for use in manual, ultrasonic, and machine cleaning. Safe-handling detergent used for noncorrosive cleaning without chelation or alkalinity waste treatment problems. Recommended for aluminum and soft metal, medical devices, pharmaceutical equipment, alkaline sensitive labware and medical instruments in aluminum trays. Free rinsing, eliminating interfering residues. Detergent is biodegradable and comes concentrated to save you money; dilute 3:100.



C&M PART #	MFG PART #	DESCRIPTION
706022	1901-1	Luminox Neutral Cleaner, 1 Gallon (3.8 L)

Solujet® Low-Foaming Phosphate-Free Liquid Detergent is a nonionic, low foaming phosphate-free liquid cleaner for use in labware washers, manual and ultrasonic cleaners. Corrosion inhibited formula is recommended for glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Detergent rinses completely with no residues. Phosphate-free, biodegradable and readily disposable. Passes inhibitory residue test. Detergent comes concentrated to save you money; dilute 1:200. pH 11.5.



C&M PART #	MFG PART #	DESCRIPTION
706024	2101-1	Solujet Liquid Detergent, 1 Gallon (3.8 L)

Tergajet® Low-Foaming Phosphate-Free Powdered Detergent is a nonionic enzyme cleaner for use in labware washers, manual and ultrasonic cleaning. Corrosion inhibited formula recommended for glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass. Free rinsing for reliable results and no interfering residues. Phosphate-free, biodegradable and readily disposable. Passes inhibitory residue test. Detergent comes concentrated to save you money; dilute 1:200. pH 11.5.



C&M PART #	MFG PART #	DESCRIPTION
706025	2204	Tergajet Powdered Detergent, 4 lb
706026	2225	Tergajet Powdered Detergent, 25 lb

Tergazyme Enzyme Active Powered Detergent is a concentrated, anionic detergent with protease enzyme for manual and ultrasonic cleaning. Excellent for removal of proteinaceous soils, tissue, blood and body fluids from glassware, metals, plastic, ceramic, porcelain, rubber and fiberglass with no interfering residues. Ideal as a cleaning agent in Reverse Osmosis and Ultra-Filtration Systems. Detergent comes concentrated to save you money; dilute: 1:100.



C&M PART #	MFG PART #	DESCRIPTION
706015	1304-1	Tergazyme Enzyme Active Powdered Detergent, 4 lb

Detonox® is a noncaustic detergent for exceptional removal of cosmetic and pharmaceutical polymers, sticky extracts, resins, creams and lotions. Concentrated, highly emulsifying and penetrating formula is free rinsing, and leaves no residues.



C&M PART #	MFG PART #	DESCRIPTION
706027	2301	Alconox Detonox® Plastic Bottle, 1 Gallon (3.8 L)

ANSELL MICROFLEX GLOVES

Choose from our selection of over twenty different varieties of vinyl and nitrile Microflex gloves for the lab and plant.



MICROFLEX®

For details and order information, see **pages 102-108.**

Kimble Glass Desiccators

The non-vacuum and vacuum desiccators are used to prevent moisture adsorption when using crucibles, weighing bottles and water glasses. These are excellent for storage of hygroscopic chemicals. The non-vacuum desiccators have a plastic top knob, while the vacuum desiccators have a greased rotating collar valve that is used to facilitate vacuum desiccation. All desiccators are made of soda-lime glass.



C&M PART #	MFG PART #	DESCRIPTION
706381	31050-150	Non-Vacuum Desiccator, 150 mm ID
706382	31050-200	Non-Vacuum Desiccator, 200 mm ID
706383	31050-250	Non-Vacuum Desiccator, 250 mm ID
706397	31200-150	Vacuum Desiccator, 150 mm ID
706398	31200-200	Vacuum Desiccator, 200 mm ID
706399	31200-250	Vacuum Desiccator, 250 mm ID

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706487	31253-150	Replacement Lid for 150-mm Non-Vacuum Desiccator
706488	31253-200	Replacement Lid for 200-mm Non-Vacuum Desiccator
706489	31253-250	Replacement Lid for 250-mm Non-Vacuum Desiccator
706481	31252-150	Replacement Lid for 150-mm Vacuum Desiccator
706482	31252-200	Replacement Lid for 200-mm Vacuum Desiccator
706483	31252-250	Replacement Lid for 250-mm Vacuum Desiccator
706484	31251-150	Metal Desiccator Plate for All Models, 150 mm
706485	31251-200	Metal Desiccator Plate for All Models, 200 mm
706486	31251-250	Metal Desiccator Plate for All Models, 250 mm
706490	31250-150	Porcelain Plate for Non-Vacuum Desiccator, 150 mm
706491	31250-200	Porcelain Plate for Non-Vacuum Desiccator, 200 mm
706492	31250-250	Porcelain Plate for Non-Vacuum Desiccator, 250 mm

Bel-Art Reusable Desiccant Cartridges

The Bel-Art desiccant cartridges are useful anywhere desiccation is needed. These cartridges contain inert, noncorrosive and nontoxic silica gel that changes color from blue to pale pink as it absorbs moisture. They fit Bel-Art's polycarbonate desiccators, in addition to other plastic desiccators of similar size. Easily regenerate for reuse by heating the cartridges.



C&M PART #	MFG PART #	DESCRIPTION
700463	42049-0100	Reusable Desiccant Cartridge, 72 mm, Pack of 6

Bel-Art Polycarbonate Desiccator

The Bel-Art Polycarbonate "Space Saver" Vacuum Desiccator is used to degas liquids quickly and easily. The desiccator is lighter and less costly than the glass models and holds a full vacuum at room temperature. It is a strong, shatterproof unit that provides dry storage as well as protection for sensitive products. Fits a 230-mm desiccator plate. The desiccator plate and desiccant are sold separately.



C&M PART #	MFG PART #	DESCRIPTION
707383	F42025-0000	Vacuum Desiccator, 0.31 cu ft

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
707384	F42038-0230	High Heat Minerit HD Desiccator Plate, 230 mm

Drierite Anhydrous Calcium Sulfate

Drierite is an all-purpose drying agent that is known for its efficient and rapid drying of air, industrial gases, refrigerants, organic liquids, and solids. It is used to maintain a dry atmosphere and protection of hygroscopic materials. Indicating Drierite changes from blue to pink; simply replace when pink. All forms of Drierite desiccants can be regenerated many times for reuse.



706031

706032

C&M PART #	MFG PART #	DESCRIPTION	MESH SIZE
706029	12001	Regular Drierite, 1 lb	6
706030	13001	Regular Drierite, 1 lb	8
706031	13005	Regular Drierite, 5 lb	8
706032	23001	Indicating Drierite, 1 lb	8
706033	23005	Indicating Drierite, 5 lb	8

Stopcock/Vacuum Grease



Stopcock grease is used to lubricate ground glass joints, glass stopcocks, glass valves, Tensette pipets, and for sealing desiccators. This lubricant can resist attack by acidic and alkaline solutions.

C&M PART #	MFG PART #	DESCRIPTION
706386	56275	Stopcock Grease, 150 g

Bel-Art Secador® Desiccator Cabinets

Get easy and reliable storage of moisture sensitive products. The Secador line of desiccator cabinets offers sturdy construction while providing an attractive design. Large door maximizes access to interior space. All models are clear and feature an easy-to-view hygrometer in the front door. Model 4.0 Auto-Desiccator recharges desiccant every 20 minutes, ensuring low moisture level inside the desiccator.



C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (cu ft)
700395	42075-1000	Polystyrene Mini	0.31
700392	42071-0000	Model 1.0 Vertical	0.7
700393	42074-0000	Model 4.0 Horizontal Profile	1.9
700394	42074-0115	Model 4.0 Horizontal Auto, 120 VAC	1.9

Bel-Art Dry-Keeper Desiccator Cabinets

The Dry-Keeper Vertical Desiccator Cabinet has a large door for easy access to the interior. Clear, PVC construction lets you easily view the contents of the desiccator. Built-in digital hygrometer on the door makes it easy to keep track of the humidity inside the desiccator. Three adjustable, removable and perforated shelves facilitate full circulation of air. The shelf rails can be repositioned on any one of 15 steps set at 28 mm intervals. Additional shelves and rails are sold separately.



INCLUDES

Three shelves and desiccant tray.

C&M PART #	MFG PART #	DESCRIPTION
700390	H42056-0001	Dry-Keeper PVC Vertical Desiccator Cabinet, 2.0 cu ft

Bel-Art Bronze Acrylic Desiccator Cabinets

The Bronze Acrylic Desiccator Cabinet can be used in refrigerators or at room temperature for dry storage of moisture-sensitive materials. The cabinet has three fully removable, tray-like shelves that have perforated bottoms that slide in and out on preset rails.



INCLUDES

Three shelves.



C&M PART #	MFG PART #	DESCRIPTION
700391	42066-0001	Bronze Acrylic Desiccator Cabinet, 0.82 Cu Ft

Shel Lab Digital Laboratory Ovens

These Digital Laboratory Ovens have triple wall construction to ensure the outside stays cool even when the inside temperature is at its maximum of 306°C. Ovens feature a 99 hr. 59 min. countdown timer; when the timer reaches zero, the oven shuts off.



Select from gravity convection oven or forced air ovens. Gravity convection oven is ideal for processing powders and other products that may be disturbed by forced air. Forced air ovens offer faster heating time and better temperature uniformity. They include an advanced PID temperature control system for a sensitive response and are recommended for critical and analytical use in laboratory and pilot plant product research.

FEATURES & BENEFITS

- Microprocessor control with countdown timer
- Digital temperature display and timer
- 1.75" (45 mm) access port for thermocouple probe

INCLUDES

Adjustable shelves (wire shelves on gravity convection model, perforated shelves on forced air models), adjustable leveling feet, power cord and instruction manual. 2-year limited warranty.

SPECIFICATIONS

C&M PART #	MAX TEMP	CHAMBER (W X H X D)	EXTERIOR (W X H X D)	UNIFORMITY*	# SHELVES†
705659	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±3.5°C	2/7
705660	306°C	12.1" x 14.5" x 13.7"	22.7" x 31.5" x 23.5"	±2.3°C	2/6
705661	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±1.8°C	2/7
705662	306°C	21" x 20.7" x 19.4"	31.5" x 38.8" x 28.1"	±1.8°C	2/9

*At 150°C

†Included/max number

C&M PART #	MFG PART #	DESCRIPTION	SIZE (CU FT)	POWER (VAC, HZ)
705659	SLG322	Gravity Convection Oven	3.0	115, 50/60
705660	SMO1	Forced Air Oven	1.5	115, 50/60
705661	SMO3	Forced Air Oven	3.0	115, 50/60
705662	SMO5	Forced Air Oven	5.0	115, 50/60

CoorsTek® Porcelain Crucibles



Use these porcelain labware for total suspended solids determination. Porcelain provides excellent thermal-shock resistance, prolonged life, hardness and refractory qualities.

Gooch Crucibles - Gooch with perforated bottom, glazed inside and out except for outside bottom surface and rim.

Evaporating Dishes - Evaporating dish with lip, shallow form, glazed inside except for rim and partially outside.

High-Form Crucibles - High form, glazed inside and out except for outside bottom surface and rim.

Wide-Form Crucible - Wide form, glazed inside and out except for outside bottom surface and rim.

C&M PART #	MFG PART #	DESCRIPTION	SIZE (mL)
GOOCH CRUCIBLES			
706395	66148	Gooch Crucible	25
706396	66151	Gooch Crucible	40
EVAPORATING DISHES			
706380	60231	Evaporating Dish	50
706379	60233	Evaporating Dish	100
HIGH-FORM CRUCIBLES			
706403	66104	High-Form Crucible	10
706404	66105	High-Form Crucible	15
706405	66107	High-Form Crucible	30
WIDE-FORM CRUCIBLE			
706833	66137	Wide-Form Crucible	50
706832	66138	Wide-Form Crucible	100

Pall® Life Sciences Sterile Petri Dishes

These sterilized petri dishes are ideal for use while performing coliform analysis using the membrane filter technique. Unique patented design offers easy handling and storage. Easily open and close with one hand. Tight seal ensures samples stay securely in place.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706091	7242	Sterile Petri Dish, 50 x 9 mm	100
706092	7245	Sterile Petri Dish with Pad, 50 x 9 mm	100
706093	7232	Sterile Petri Dish, 50 x 9 mm	500

Millipore Sigma™ Sterile Petri Dishes with Petri-Pad™

Sterile petri dishes come preloaded with cellulose pad for performing coliform analysis using the membrane filtration technique. Simply dispose the dishes after analysis to eliminate accidental contamination. Each pad holds 1.8 to 2.2 mL of media.



**Millipore
Sigma**

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706087	PD2004750	Petri-Pad Dishes, 47 mm	150

Petri-Pad™ is a trademark of Merck KGaA, Darmstadt, Germany

Chemware PTFE Boiling Stones

Boiling stones promote gentle, efficient boiling by creating many projections on which small bubbles can form. They are resistant to almost all chemicals, such as boiling acids, hydrocarbons, ketones, esters, alcohols, or alkalis in a concentration. Ultrapure, virgin PTFE chips; easily cleaned and noncontaminating.



C&M PART #	MFG PART #	DESCRIPTION
706668	D1069103	PTFE Boiling Stones, 450 g

KIMBLE® Nitrogen-Ammonia Distillation Glassware Kits

The Nitrogen-Ammonia distillation apparatus is used for determining the nitrogen-ammonia content in wastewater and preparing small quantities of glass-distilled water. Interferences must be removed first. This apparatus can also be used for phenol, selenium, and fluoride determinations.



C&M PART #	MFG PART #	DESCRIPTION
706222	552500-1000	Ammonia Nitrogen Distillation Apparatus, 1000 mL

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706531	605030-1524	Kontes® Distilling Flask w/ Standard Taper Joint Sidearm, 1000 mL
706778	439000-2430	Kontes® Graham Condenser, 24/40
706669	850800-2440	Full Length Hex Head Hollow Glass Stopper, 24/40



Helpful Tip: Solids Testing Equipment List

Testing for suspended solids is one of the parameters generally required for receiving a permit. This test gives an indication of how effectively solids have been removed from the water during treatment. Typically, 99% of solids be removed by the time the effluent leaves the facility.

Total Suspended Solids (TSS) and Total Dissolved Solids (TDS):

The total solids in a sample are made up of the dissolved solids plus the suspended solids. The suspended solids are retained by a filter whereas the dissolved solids pass through a filter. Use the list below as a guide for the equipment needed to perform total suspended or total dissolved solids testing. Core & Main offers many different brands at different price points to meet the budgets of every lab.

C&M PART #	MFG PART #	TYPE	DESCRIPTION
706088	1220193	Filter Funnel Kit	47mm Magnetic Filter Funnel, 300mL with Lid
706396	66151	Gooch Crucible	34 mL Size, Holds 24-mm Diameter Filter
705954	1827-047	Glass Fiber Filters	Whatman Grade 934-AH, 47-mm Diameter
705950	1827-024	Glass Fiber Filters	Whatman Grade 934-AH, 24-mm Diameter
704317	1780T-1000	Glass Filtering Flask	1000 mL with 3/8" Hose Barb Connection
706329	300-011	Forceps	Use for Transferring your Filter Paper
706756	CTSS09	Crucible Tongs	Use for Transferring Crucible
706537	20024-100	Graduated Cylinder	100-mL
706748	37034B-5	Wide Tip Serological Pipet	5 mL (Kimble 37034B Series)
706747	37034B-10	Wide Tip Serological Pipet	10 mL (Kimble 37034B Series)
706836	2402-0500	Wash Bottle	500 mL for Wetting Filter & Rinsing Cylinder, Pack of 4
706983	DW4000-Q	Deionized Water	1 L for Rinsing and Seating Filter
706630	2534B-01	Vacuum Pump	Vacuum Pump that Accepts 3/8" ID Tubing
706877	8702-1145	Vacuum Tubing	3/8" ID Vacuum Tubing, Sold in 10-ft Increments
705151	HS14521C	Aluminum Weigh Dishes	50 mL Capacity, Pack of 100
706379	60233	Evaporating Dish	Used for Sample in TDS Testing, 100 mL Capacity
706045	30100600	Analytical Balance	Ohaus Adventurer Series, 120g Capacity, 0.1mg resolution
706681	7224-1	Calibration Mass	1 to 100g, 9-piece, ASTM Class 1
705663	SVACIE	Drying Oven	Chamber Dimensions are 9"W x 9"H x 12"D
706383	31050-250	Desiccator with Plate	Glass
706032	23001	Desiccant, Indicating	1-lb Container

Fixed and Volatile Solids: To test for fixed or volatile solids, the only additional piece of equipment needed is a muffle furnace that can be used at 550°C.

C&M PART #	MFG PART #	TYPE	DESCRIPTION
706625	FB1315M	Muffle Furnace (Thermolyne)	Chamber Dimensions are 4"W x 3.8"H x 5"D

LabExact® Prewashed & Preweighed Filters

Prepared filters are an effective time saver that removes a step from your workflow while maintaining high levels of quality assurance. All filters are processed to US EPA Standard Method 2540 C, D and E. Select from Total Suspended Solids (TSS) only filters or TSS/ Volatile Suspended Solids (VSS) filters.

Prewashed LabExact Glass Fiber

Filters are washed, dried and ready to be weighed in the lab. They are processed using reagent grade water (RGW) under strict controls to wash away extraneous. Filters are packaged in a plastic container, in stacks without weighing pans or bar coding.



Preweighed LabExact Glass Fiber

Filters are washed using reagent grade water, dried, desiccated and weighed to four decimal place resolution. Each binderless glass fiber filter is individually packaged in a pan with a serial number, weight and barcode for scanning. Filters are packaged as 100 washed, dried and tared ready-to-use filters and pans with a 1.5µm porosity.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	DIAMETER
PREWASHED & DRIED GLASS FIBER FILTERS			
705504	TSS-WD-4700	Glass Fiber Filters for TSS	47 mm
705505	TSS-WD-9000	Glass Fiber Filters for TSS	90 mm
705506	AH-WD-4700	934-AH® Glass Fiber Filters for TSS or VSS	47 mm
705507	AH-WD-9000	934-AH Glass Fiber Filters for TSS or VSS	90 mm
PREWASHED & PREWEIGHED GLASS FIBER FILTERS			
705508	TSS-WDT-4700	Glass Fiber Filters for TSS	47 mm
705509	TSS-WDT-9000	Glass Fiber Filters for TSS	90 mm
705510	AH-WFT-4700	934-AH Glass Fiber Filters for TSS or VSS	47 mm
705511	AH-WFT-9000	934-AH Glass Fiber Filters for TSS or VSS	90 mm

LabExact® 934-AH Glass Fiber Filters

LabExact 934-AH Glass Fiber Filters are produced from 100% borosilicate glass microfiber without the use of binders or strengthening agents. This material is the standard for suspended solids content and related measurements (Standard Methods 2540D and EPA Method 160.2). Binderless borosilicate glass microfiber enables use up to 550°C.

FEATURES & BENEFITS

- Made without the use of binders or strengthening agents
- Fast flow rate with a 1.5µm size particle retention
- Packaged in quantities of 100

CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	DIMENSIONS
705481	AH2100	21 mm Diameter
705482	AH2400	24 mm Diameter
705483	AH2500	25 mm Diameter
705484	AH3200	32 mm Diameter
705485	AH3500	35 mm Diameter
705486	AH3700	37 mm Diameter
705487	AH4250	42.5 mm Diameter
705488	AH4700	47 mm Diameter

C&M PART #	MFG PART #	DIMENSIONS
705489	AH5500	55 mm Diameter
705490	AH7000	70 mm Diameter
705491	AH8260	82.6 mm Diameter
705492	AH9000	90 mm Diameter
705493	AH1100	110 mm Diameter
705494	AH1250	125 mm Diameter
705495	AH1500	150 mm Diameter
705496	AH5810	8" x 10" Sheets

LabExact® TSS Glass Fiber Filters

LabExact Grade TSS Glass Fiber Filters utilize a binderless high-efficiency (HEPA type) filter medium with particle retention of 1.5 µm. Liquid filtration properties have been specifically designed for EPA Methods 2540C and 2540D for testing dissolved and suspended solids in water and wastewater.

FEATURES & BENEFITS

- Pore Size 1.5µm
- Excellent wet strength
- High flow rate with high capacity
- Packaged in quantities of 100

CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	DIMENSIONS
705620	TSS2100	21 mm Diameter
705621	TSS2400	24 mm Diameter
705622	TSS2500	25 mm Diameter
705623	TSS3200	32 mm Diameter
705624	TSS3500	35 mm Diameter
705625	TSS3700	37 mm Diameter
705626	TSS4250	42.5 mm Diameter
705627	TSS4700	47 mm Diameter
705628	TSS5500	55 mm Diameter

C&M PART #	MFG PART #	DIMENSIONS
705629	TSS7000	70 mm Diameter
705630	TSS8260	82.6 mm Diameter
705631	TSS9000	90 mm Diameter
705632	TSS1020	102 mm Diameter
705633	TSS1100	110 mm Diameter
705634	TSS1250	125 mm Diameter
705635	TSS1500	150 mm Diameter
705636	TSS810	8" x 10" Sheet

Whatman® Grade 934-AH Glass Microfiber Filters

Whatman Grade 934-AH borosilicate glass microfiber filters have high retention efficiency, high flow rates for large-volume filtration. These filters are specified as a filter for solids testing in Standard Method 2540. Filters are available with a pore size of 1.5µm and sold in package quantities of 100.



FEATURES & BENEFITS

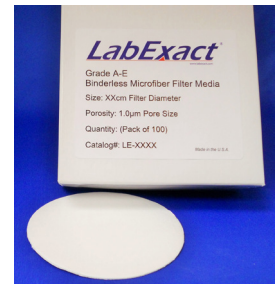
- High loading capacity enables efficient filtration of suspended solid
- Smooth surface provides efficient precipitate recovery
- High loading capacity enables processing of turbid solutions
- Withstands temperatures up to 550°C
- Low fiber shedding

C&M PART #	MFG PART #	DIMENSIONS
705949	1827-021	21 mm
705950	1827-024	24 mm
705951	1827-025	25 mm
705952	1827-032	32 mm
705953	1827-042	42.5 mm
705954	1827-047	47 mm

C&M PART #	MFG PART #	DIMENSIONS
705955	1827-055	55 mm
705956	1827-070	70 mm
705957	1827-090	90 mm
705958	1827-110	110mm
705959	1827-125	125 mm
705960	1827-150	150 mm

LabExact A/E Filters

These high-efficiency (HEPA type), high flow rate and high-capacity filters are specifically designed for analytical applications. Binderless borosilicate glass fiber media has no added extractables to aid in the elimination of sample contamination. Filters have excellent wet strength and are ideal for testing dissolved and suspended solids in wastewater. Filters have 1.0 µm pore size.



C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
707447	AE2500	25	100
707448	AE3500	35	100
707449	AE4700	47	100
707450	AE5500	55	100
707451	AE9000	90	100
707452	AE1100	110	100

Whatman™ Grade GF Filters

Grade GF/A binder-free glass fiber filters have fine particle retention, high capacity and fast flow rates for large-volume liquid and air filtration. These filters have a nominal particle retention of 1.6 µm at 98% efficiency and are suited for a variety of applications involving large sample volumes.

Grade GF/C glass filters offer fine particle retention, good flow rate and loading capacity. Widely used as a total suspended solids filter for applications testing both potable water and wastewater. Nominal particle retention size is 1.2 µm.

Grade GF/D fine membrane filters are thick and offer good loading capacity. Nominal particle retention size is 2.7 µm.

Grade GF/F binder-free borosilicate glass microfiber fiber is commonly used for biomolecule purification techniques such as DNA purification and protein precipitation as well as landfill leachate toxicity testing (EPA method 1311). Applications include DNA purification and binding, filtration for protein purification, clarifying difficult biochemical solutions and fluids, landfill leachate toxicity testing. Nominal particle retention size is 0.7 µm.

CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	TYPE	PORE SIZE (µm)	DIAMETER (mm)	QUANTITY
705940	1820-047	Grade GF/A	1.6	47	100
705941	1820-055	Grade GF/A	1.6	55	100
705942	1820-070	Grade GF/A	1.6	70	100
705943	1820-090	Grade GF/A	1.6	90	100
705944	1820-110	Grade GF/A	1.6	110	100
705945	1820-150	Grade GF/A	1.6	150	100
705946	1822-024	Grade GF/C	1.2	24	100
705947	1823-047	Grade GF/D	2.7	47	100
705948	1825-047	Grade GF/F	0.7	47	100

LabExact Quantitative Filter Papers

Grade 40 Quantitative Filter Paper with medium retention and flow rates is widely used in many general quantitative procedures in liquid. These procedures include tests for determination of sediments, primary analysis of cements and slurries and sample preparation prior to spectrophotometry.

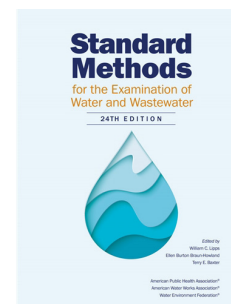
Grade 42 Quantitative Filter Paper demonstrates an extremely high retention rate for a cellulose filter media. Its uniquely high retention rate makes it ideal for any gravimetric analysis of very fine precipitates.



C&M PART #	DIAMETER (mm)	QUANTITY
GRADE 40 QUANTITATIVE FILTER PAPER (8 µm PORE SIZE)		
707453	42.5	100
707455	70	100
707456	90	100
707457	110	100
707458	125	100
707467	150	100
GRADE 42 QUANTITATIVE FILTER PAPER (2.5 µm PORE SIZE)		
707463	110	100
707464	125	100
707465	150	100
707466	185	100

Standard Methods: Examination of Water and Wastewater

The new Standard Methods for the Examination of Water and Wastewater, 24th edition, is your guide for the most up-to-date water and wastewater analysis methods. This comprehensive resource contains step-by-step instructions for measuring the biological, chemical, and physical attributes of waters, and offers guidance for choosing among available methods for specific elements and compounds.



FEATURES & BENEFITS

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 Naegleria fowleri; 4500-H2O2 Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

C&M PART #	MFG PART #	DESCRIPTION
706037	StandardMethods-24	Standard Methods: Examination of Water and Wastewater, 24th Ed.

LabExact TCLP Filters



Toxicity Characteristic Leaching Procedure (TCLP) filters are designed to determine the mobility of both organic and inorganic hazardous contaminants present in liquid, solid and multiphasic wastes. Binderless glass microfiber filter media has a particle retention of 0.7 µm. Acid treated, and multistage deionized water rinsed filters conform to EPA method 1311.

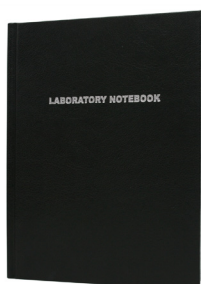
CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
705512	TCLP-1	47	100
705513	TCLP-2	90	50
705514	TCLP-3	110	50
705515	TCLP-4	125	50
705516	TCLP-5	142	50
705517	TCLP-6	150	50

Lab Notebook

Record research data, experimental procedures, design, development ideas, and more in the durable, hardbound notebook. Made of acid-free paper, pages are numbered and include space for title, date, project number, book number, date, and witness signature. Notebooks are available with gridded or lined paper.



C&M PART #	MFG PART #	COVER COLOR	NO. OF PAGES	PAGE FORMAT
705462	HS8610A	Black	100	Gridded
705463	HS8610B	Blue	200	Gridded
705464	HS8610D	Red	200	Lined
705465	HS8610E	Black	100	Lined

Whatman™ Ashless Quantitative Filter Papers



Grade 40 High-Purity Filters Papers have extremely low ash content (0.007% ash maximum) and an 8 µm nominal particle retention rating—great for a variety of analytical filtration applications. These filters with a medium filtration speed (Herzberg 340 s) are particularly useful for gravimetric analysis.

Grade 41 Environmental Pollution Filter Papers are among the fastest filter papers in the Whatman ashless range. These filters have extremely low ash content (0.007% ash maximum) and a 20 µm nominal particle retention rating—excellent for quantitative analysis of soil and air. These fast filtration speed (Herzberg 54 s) filters are used for routine air pollution analysis and soil pollution analysis.

Grade 42 Filter Papers have the finest retention of all Whatman ashless filter paper grades. They have an extremely low ash content (0.007% ash maximum) and a 2.5 µm nominal particle retention rating—excellent for gravimetric analysis and sample preparation for instrumental analysis. These filters have a Herzberg filtration speed of 1870 s and are commonly used as a calcium carbonate filter.

C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
GRADE 40 QUANTITATIVE FILTER PAPER (8 µm PORE SIZE)			
705931	1440-110	110	100
705932	1440-125	125	100
705933	1440-150	150	100
705934	1440-185	185	100
GRADE 41 QUANTITATIVE FILTER PAPER (20 µm PORE SIZE)			
705899	1441-125	125	100
705900	1441-150	150	100
GRADE 42 QUANTITATIVE FILTER PAPER (2.5 µm PORE SIZE)			
705935	1442-110	110	100
705936	1442-125	125	100
705937	1442-150	150	100
705938	1442-185	185	100

Whatman™ Qualitative Filter Paper

Grade 1 are the most widely used filter paper for routine laboratory applications, qualitative analytical separations, and clarifying liquids. They have a 11 µm particle retention and provide medium flow rates.

Grade 2 is slightly more retentive than Grade 1 with a corresponding increase in filtration time. These filters have an 8 µm particle retention and provide a medium to slow flow rate.

Grade 3 is double the thickness of Grade 1, so it can hold more precipitate without clogging and has increased wet strength. These filters have a 6 µm particle retention and high absorbency.



Grade 4 filter papers with a particle retention range of 20 to 25 µm provide fast filtration. Used in qualitative analytical separations when fast flow is required, and the collection of fine particles is not critical.

Grade 5 are a standard grade clarifying filter excellent for cloudy suspensions and for water and soil analysis. These cellulose filters with 2.5 µm particle retention provide the maximum degree of fine particle retention in qualitative paper range.

C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
GRADE 1			
705903	1001-047	47	100
705904	1001-055	55	100
705905	1001-070	70	100
705906	1001-090	90	100
705907	1001-110	110	100
705908	1001-125	125	100
705909	1001-150	150	100

C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
GRADE 2			
705913	1002-070	70	100
705915	1002-125	125	100
705916	1002-150	150	100
705917	1002-185	185	100
705918	1002-240	240	100
GRADE 3			
707409	1003-070	70	100
705919	1003-110	110	100
707410	1003-125	125	100
707411	1003-150	150	100

C&M PART #	MFG PART #	DIAMETER (mm)	QUANTITY
GRADE 4			
705921	1004-090	90	100
705923	1004-125	125	100
707412	1004-150	150	100
GRADE 5			
705927	1005-090	90	100
705928	1005-110	110	100
707413	1005-125	125	100
705929	1005-150	150	100
705930	1005-185	185	100

LabExact Qualitative Filter Paper

Grade CFP1 is the most widely used filter media in routine applications requiring medium retention and flow rate. Filters have approximately 11 µm particle retention are used in a broad range of laboratory and environmental applications, including separating lead sulfate, calcium carbonate and calcium oxalate precipitates.

Grade CFP2 with approximately 8 µm particle retention and a medium to slow flow rate is a more retentive and absorbent media than CFP1. Use these filters for general filtration and absorbent conveyance. Commonly used in monitoring pre-isolated contaminants in air and gas.

Grade CFP3 is virtually identical to CFP1, but twice as thick resulting in a significantly slower flow rate with particle retention of approximately 6 µm. This media can hold more without clogging and has increased wet strength. This media also demonstrates very high levels of absorbency, permitting the media to be used as a sample conveyance substrate.

Grade CFP4 has the fast flow rate and is well suited for retention of coarse particles. With a particle retention of approximately 25 µm, it is commonly used as the first media in a multi-stage filtration process. Use these in organic extractions and biological fluid separation processes.

Grade CFP5 is a qualitative filter for filtration of very fine particulate and clarification with applications in environmental sciences and chemical analysis. Filters have particle retention of approximately 2.5 µm. Low ash content of <0.05%. Thickness 0.195 mm.

C&M PART #	MFG PART #	DIAMETER (mm)
GRADE CFP1		
707385	CFP1-047	47
707386	CFP1-055	55
707387	CFP1-070	70
707388	CFP1-090	90
707389	CFP1-110	110
707390	CFP1-125	125
707391	CFP1-150	150
GRADE CFP2		
707392	CFP2-070	70
707393	CFP2-125	125
707394	CFP2-150	150
707395	CFP2-185	185
GRADE CFP3		
707396	CFP3-070	70
707397	CFP3-110	110
707398	CFP3-125	125
707399	CFP3-150	150
GRADE CFP 4		
707400	CFP4-090	90
707401	CFP4-125	125
707402	CFP4-150	150

C&M PART #	MFG PART #	DIAMETER (mm)
GRADE CFP5		
707403	CFP5-025	25
707404	CFP5-090	90
707405	CFP5-110	110
707406	CFP5-125	125
707407	CFP5-150	150
707408	CFP5-185	185



Hach Prepared Media for Membrane Filtration

Use Hach Prepared Media to eliminate measuring, mixing and autoclaving steps necessary to prepare dehydrated media. Glass ampules, plastic ampules, 100 mL bottles and agar plates afford maximum shelf life and ease of use for premeasured and prepared media. Note: all items require refrigeration upon receipt.

m-ColiBlue24[®] detects total coliforms and *E. coli* on one petri dish. Red and blue colonies indicate total coliforms and blue colonies specify *E. coli*. This is an EPA-accepted method for drinking water and wastewater testing. No confirmation testing or observation under UV lamp is required.

m-Endo broth detects total coliform bacteria (colonies with a greenish-gold sheen). For potable water samples, confirm with Lauryl Tryptose and Brilliant Green Bile Broth tubes. Samples that test positive for total coliform bacteria should be further analyzed for the presence of fecal coliform or *E. coli* using EC Medium or EC Medium with MUG respectively.

m-FC detects fecal coliforms (blue colonies) in non-potable water.

m-FC with Rosolic Acid offers increased specificity for fecal coliforms in non-potable water and wastewater when high levels of non-coliform bacteria may be present. Do not use if organisms are stressed or injured.

m-HPC (Heterotrophic Plate Count) estimates the number of live heterotrophic bacteria in water. This test can provide useful information about water quality and supporting data on the significance of coliform test results. High concentrations of the general bacterial population may hinder the recovery of coliforms. HPC is useful in judging the efficiency of various treatment processes for both drinking water and swimming pools, and for checking the quality of finished water in a distribution system.

R2A is used to detect stressed heterotrophic bacteria in water.

m-TEC uses modified m-TEC Agar to find *E. coli* bacteria in water samples. The modified m-TEC Agar has an enzymatic substrate, which is bonded to form colonies. Red or magenta colonies indicate *E. coli* presence in the sample. A confirmation procedure is not necessary with this method.



CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	PACKAGE	# TESTS
701747	2608420	m-ColiBlue24	PourRite™ Glass Ampules	20
701749	2608450		Plastic Ampules	50
701748	2608442		100 mL Bottle	50
701931	2805215		Agar Plates, Pack of 15	15
701494	2373520	m-Endo	PourRite Glass Ampules	20
701496	2373550		Plastic Ampules	50
701495	2373542		100 mL Bottle	50
701935	2811615	m-FC	Agar Plates, Pack of 15	15
701492	2373220		PourRite Glass Ampules	20
701493	2373250	m-FC with Rosolic Acid	Plastic Ampules	50
701934	2811515		Agar Plates, Pack of 15	15
701550	2428520	m-FC with Rosolic Acid	PourRite Glass Ampules	20
701551	2428550		Plastic Ampules	50
701941	2812450	m-HPC	Plastic Ampules	50
701940	2812350	R2A	Plastic Ampules	50
701937	2811815	m-TEC	Modified Agar Plates, Pack of 15	15

Sterile Filter Membranes

Sterile mixed cellulose ester (MCE) filter membranes provide maximum retention and recovery of microorganisms. Grid patterns facilitate counting colonies on the membrane surface.



FEATURES

- Suitable for microbial analysis via membrane filtration (MF)
- Grid pattern helps with colony quantification
- Individually packaged to minimize cross contamination
- Use to determine coliform levels in potable, waste, process and natural waters using Standard Methods

SPECIFICATIONS

DIAMETER (mm)	47
PORE SIZE (µm)	0.45

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706089	66278	Pall® GN-6 Metrical® MCE Filter Membranes	200
706079	045SG-047-D	LabExact® MCE Filter Membranes	200
706080	045SG-047	LabExact® MCE Filter Membranes	1000

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706329	300-011	Stainless Steel Curved Forceps with Medium Fine Tip
706666	300-006	Stainless Steel Balance Forceps with Plastic Tips

Whatman™ Sterile Mixed Cellulose Ester Membranes

Whatman mixed cellulose ester membranes are composed of cellulose acetate and cellulose nitrate. These membranes have a smoother and more uniform surface than pure nitrocellulose filters and feature clearly defined grid lines that assist in counting colonies. Use to determine coliform levels in potable, waste, process and natural waters using Standard Methods. Select filter membranes with pad to minimize risk of contamination and make downstream processing easier.



C&M PART #	MFG PART #	DESCRIPTION	DIAMETER (mm)	PORE SIZE (µm)
707468	7141-114	Filter Membranes without Pad	47	0.45
707469	7141-104	Filter Membranes with Pad	47	0.45

LabExact 25-mm Disposable Syringe Filters

Syringe filters are useful for filtering particulates from samples. High-quality and cost-effective disposable syringe filters are available in a broad range of membrane materials. Select syringe filters with glass fiber prefilter to aid in filtering viscous or turbid solutions.

Cellulose acetate (CA) filters are nitrate-free, making them suitable for groundwater and EPA testing.

Polyamide/Nylon (PA) filters are recommended for aqueous and organic/aqueous solutions and are commonly used for general laboratory filtration, including HPLC and GC sample prep.

Polyvinylidene Difluoride (PVDF) membranes are recommended for filtration of water-soluble oligomers and polymers, especially proteins.

C&M PART #	MEMBRANE MATERIAL	PORE SIZE (µm)	DESCRIPTION	QUANTITY
STANDARD SYRINGE FILTERS				
707470	CA	0.22	Nonsterile	100
707472	CA	0.22	Sterile	100
707471	CA	0.45	Nonsterile	100
707473	CA	0.45	Sterile	100
707474	PA	0.22	Nonsterile	100
707476	PA	0.22	Sterile	100
707475	PA	0.45	Nonsterile	100
707477	PA	0.45	Sterile	100
707482	PVDF	0.22	Nonsterile	100
707484	PVDF	0.22	Sterile	100
707483	PVDF	0.45	Nonsterile	100
707485	PVDF	0.45	Sterile	100
707478	PTFE	0.22	Nonsterile	100
707480	PTFE	0.22	Sterile	100
707479	PTFE	0.45	Nonsterile	100
707481	PTFE	0.45	Sterile	100

Whatman™ Syringe GD/XP Syringe Filters



Whatman GD/X sterile syringe filter (25 mm) is designed to support filtration of viscous, hard-to-filter samples with high solids content. The filter contains 100% borosilicate fiber GMF 150 (10 µm) and GF/F (1 µm/0.7 µm) prefilters to reduce the need for multiple syringe filters by processing three to seven times more sample volume than syringe filters without prefilters. Female luer lock inlet connection; male luer outlet connection.

C&M PART #	MFG PART #	DESCRIPTION
705963	6900-2504	Sterile Syringe Filter, PVDF filtration medium, 0.45 µm, Pack of 50

Polytetrafluoroethylene (PTFE) are ideal for the filtration of nonpolar liquids as part of chromatography preparation and are very resistant to solvents, acids, and bases.



FEATURES & BENEFITS

- Disposable—eliminates cross contamination
- Luer-Lok™ fitting for fast and secure connection
- Ultrasonically bonded for reliability
- Filter media type clearly inscribed on barrel
- Excellent unit-to-unit and lot-to-lot reproducibility and consistency
- High-purity virgin polypropylene housing, no dyes or pigments added

C&M PART #	MEMBRANE MATERIAL	PORE SIZE (µm)	DESCRIPTION	QUANTITY
SYRINGE FILTERS WITH GLASS FIBER PREFILTER				
707494	PA	0.22	Nonsterile	100
707496	PA	0.22	Sterile	100
707495	PA	0.45	Nonsterile	100
707497	PA	0.45	Sterile	100
707490	PVDF	0.22	Nonsterile	100
707492	PVDF	0.22	Sterile	100
707491	PVDF	0.45	Nonsterile	100
707493	PVDF	0.45	Sterile	100
707486	PTFE	0.22	Nonsterile	100
707488	PTFE	0.22	Sterile	100
707487	PTFE	0.45	Nonsterile	100
707489	PTFE	0.45	Sterile	100

Thermo Scientific™ Nalgene™ Analytical Filter Units

These Nalgene Sterile Analytical Filter Units are used to recover and grow microorganisms for QC testing and analysis of water and wastewater. Efficient filter units have an easily removable upper and filter membrane. To use, tear the bag open with the unit, fill funnel with sample and then apply vacuum. After filtering, take the membrane and place in a petri dish to incubate. After incubation, record the number of colonies.



FEATURES & BENEFITS

- Gamma-sterilized, individually wrapped
- Provides excellent recovery and growth of microorganisms
- Receiver is graduated from 20 to 150 mL for easy reading of sample volume
- Wide base is stable on the bench
- 0.45 µm pore size membrane has black grids to facilitate colony counting

INCLUDES

Polystyrene cover; upper chamber with reference mark at 100 mL and receiver; removable, 47mm Triton™-free cellulose nitrate (CN) membranes; cellulosic support pad; cellulosic vent plug side arm; quick-disconnect tubing adapter and blue support plate.

C&M PART #	MFG PART #	DESCRIPTION
706623	130-4045	Sterile Analytical Filter Unit, 0.45 µm, Pack of 12

LabExact Sterile Microbiological Filtration Monitors

All-in-one disposable sterile microbiological filtration monitor combines a 100 mL filtration unit and a petri dish with lid to help minimize contamination. Filter unit preloaded with a 47-mm diameter, 0.45 µm mixed cellulose ester gridded filter membrane and an absorbent cellulose pad eliminate transfer steps and manual manipulation. After filtration, add the growth media and incubate. A convenient built-in magnification lens on the lid aids in colony counting. Each monitor comes sterile, individually wrapped and ready to use right out of the package.



INCLUDES

Disposable filtration units (100 mL), white gridded nitrocellulose membrane filter (0.45 µm), pad petri dish and lid.

C&M PART #	MFG PART #	DESCRIPTION
705521	MB-0027	Sterile Microbiological Filtration Monitor, 100 mL, Pack of 50

Magnetic Filter Holder for 47-mm Filters

This magnetic filter holder features a unique two-layer magnet creating a tight seal between the funnel and support base holding a membrane disc filter. The user-friendly design allows one-handed operation and prevents possible twisting and tearing of the filter membrane. Attach the included hose barb to the base for a direct connection to a vacuum source; connect to a standard filter flask using the included silicone rubber stopper. Constructed of durable Polyethersulfone (PES), the filter holder is sturdy, autoclavable and resistant to a limited range of solvents.



INCLUDES

Silicone stopper (size 8) and hose barb (4 to 8 mm)

C&M PART #	MFR PART #	DESCRIPTION	SIZE (mL)
706088	1220193	Magnetic Filter Funnel with Lid	300

Whatman™ Filter Funnel Manifolds

Use these stainless-steel manifolds for serial filtration applications—ideal for microbiology quality control and residue analysis. Manifolds are suitable only for vacuum operation. If flushing tubes are used, do not exceed 1.3 bar (300 mbar overpressure). Autoclave and sterilize by dry heat at up to 180°C.



C&M PART #	MFG PART #	DESCRIPTION
706197	10498761	3-Place Stainless Steel Manifold
706198	10498762	6-Place Stainless Steel Manifold

Becton Dickinson BD™ General Use Syringes

These disposable polypropylene syringes can be used with syringe filters using the BD Luer-Lok™ connection. Syringes are sterile and clear.



C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
706226	309628	1	100
706228	309657	3	200
706230	309646	5	125
706227	302995	10	200
706229	302832	30	56
706231	309653	50	40

Walter Stern® Forceps

Easily handle filters and other small objects with these durable stainless-steel forceps. Choose from fine tips, plastic tips or serrated tips depending on application.



C&M PART #	MFG PART #	DESCRIPTION	LENGTH (mm)
706329	300-011	Curved Forceps with Medium Fine Tips	152 mm (6")
706666	300-006	Balance Forcep with Plastic Tips	100 mm (4")
706667	300-044	Forceps with Serrated Tips	305 mm (12")

Vee Gee Glass Filter Assemblies for 47-mm Filters



Use the filter system with filtering flask for vacuum filtration applications. They are especially effective for solids analysis for water and wastewater using 47-mm filters. Filter system comes with an anodized aluminum clamp to keep the system in place. Choose from either 100- or 300-mL filter funnel.

C&M PART #	MFG PART #	DESCRIPTION
704447	6168-0003	Filter System, Fritted Glass, 100 mL
704445	6168-0001	Filter System, Fritted Glass, 300 mL
704317	1780T-1000	SIBATA Glass Filtering Flask, 1000 mL

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
704449	6168-47100	Funnel, 100 mL
704450	6168-4711	Funnel, 300 mL
704456	6168-4762	Aluminum Clamp, Anodized
704452	6168-4722	Glass Support Base, Fritted
704455	6168-4751	No. 8 Silicone Stopper

Vee Gee SIBATA Filtering Flasks

The Vee Gee SIBATA Glass Filtering Flasks are constructed of heavy-walled borosilicate glass to withstand high vacuum. Heavy-duty rims reduce chipping—ideal for use with the vacuum filter systems. Flasks accept size 8 stopper and has tubulation for easy connection to 10-mm ID vacuum tubing. The flasks feature white permanent graduations and a large marking square.



C&M PART #	MFG PART #	CAPACITY (mL)
704319	1780T-300	300
704320	1780T-500	500
704317	1780T-1000	1000
704318	1780T-2000	2000

KIMBLE® KIMAX® Heavy-Duty Filtering Flasks

The KIMAX Heavy-Duty Filtering Flasks are made with a heavier wall than other standard flasks, making them ideal for vacuum applications. These durable flasks withstand vacuum to 29" Hg; easily connect to a vacuum source using the side tubulation that accept 5/16" ID flexible vacuum tubing. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



C&M PART #	MFG PART #	CAPACITY (mL)
706448	27060-250	250
706449	27060-500	500
706446	27060-1000	1000
706447	27060-2000	2000

Thermo Scientific™ Nalgene™ PP Filtering Flasks

Replace glass flasks with shatterproof Nalgene Polypropylene (PP) Vacuum Flasks. Molded in, one-piece, autoclavable flasks withstand vacuum to 30" Hg. Tubulation at a 45° angle prevents tipping when hose is attached; barbed tubulation accepts 1/4 to 3/8" ID tubing. Neck sized to fit standard stopper sizes (stopper not included).



C&M PART #	MFG PART #	CAPACITY (mL)	STOPPER SIZE
706633	DS4101-0500	500	7
706631	DS4101-1000	1000	8
706632	DS4101-2000	1700	10

KIMBLE® KONTES® Glass Vacuum Trap and Flasks

The vacuum trap has outlets that are 180° apart for easy installation into a variety of vacuum systems. The outlets are barbed and accept 1/2" ID flexible vacuum tubing. The flasks feature reinforced tops with a rounded finish for maximum mechanical strength. Thick-walled flasks have a long, tapered exterior to minimize chipping and feature a white ceramic marking area. Both the vacuum trap and flasks are made with 33 expansion borosilicate glass. Do not exceed 25" Hg vacuum.



C&M PART #	MFG PART #	DESCRIPTION
706638	926306-0021	Inner Body for Vacuum Trap, 29/42 Tapered Joint
706653	617000-0729	Jointed Narrow-Mouth Erlenmeyer Flask, 1000 mL
706654	617000-0829	Jointed Narrow-Mouth Erlenmeyer Flask, 2000 mL

Thermo Scientific™ Nalgene™ Non-Phthalate Clear PVC Tubing

Thermo Scientific Nalgene Non-Phthalate Clear PVC Tubing is manufactured from the highest-grade resin materials and performs like classic Nalgene 180 tubing but is free from orthophthalate DEHP plasticizers. Tubing resists hardening and discoloration from a wide range of laboratory chemicals—ideal for a wide range of general lab and research applications. Complies with California proposition 65.



C&M PART #	MFG PART #	ID	OD	THICKNESS	LENGTH (FT)
706724	8701-0030	3/16"	5/16"	1/16"	50
706870	8701-0060	1/4"	3/8"	1/16"	50
706575	8701-4060	1/4"	3/8"	1/16"	100
*706726	8702-0065	1/4"	5/8"	3/16"	5
706871	8701-0120	3/8"	1/2"	1/16"	50
706725	8701-4120	3/8"	1/2"	1/16"	100
*706877	8702-0145	3/8"	7/8"	1/4"	5
706872	8701-0180	1/2"	5/8"	1/16"	50
706873	8701-0190	1/2"	11/16"	3/32"	50
706874	8701-0260	5/8"	7/8"	1/8"	50
706875	8701-0310	3/4"	1"	1/8"	50
706876	8701-0350	1"	1-1/4"	1/8"	50

*Withstands full vacuum to 29.9" Hg at room temperature.

KIMBLE® KIMAX® Narrow-Mouth Erlenmeyer Flasks

These narrow-mouth Erlenmeyer flasks are excellent for general laboratory usage where a high degree of accuracy is not important. Tops are reinforced and tooled with a rounded finish to offer exceptional mechanical strength. All flasks have a marking area and white ceramic enamel scales to indicate approximate volume. Manufactured from borosilicate glass 3.3 and designed from ASTM Specification E1404, Type I, Class I requirements.



C&M PART	MFG PART	CAPACITY (mL)	RANGE (mL)	STOPPER SIZE
706453	26500-25	25	10 to 25	0
706455	26500-50	50	20 to 50	1
706451	26500-125	125	50 to 125	5
706454	26500-250	250	50 to 225	6
706456	26500-500	500	100 to 500	7
706450	26500-1000	1000	250 to 1000	9
706452	26500-2000	2000	600 to 2000	9

KIMBLE® KIMAX® Wide-Mouth Erlenmeyer Flasks

These wide-mouth Erlenmeyer flasks make it easy to add chemicals. Use these economical flasks when a high degree of accuracy is not important. Tops are reinforced and tooled with a rounded finish to offer exceptional mechanical strength. All flasks have a marking area and white ceramic enamel scales to indicate approximate volume. Manufactured from borosilicate glass 3.3 and designed from ASTM Specification E1404, Type I, Class I requirements.



C&M PART #	MFG PART #	CAPACITY (mL)	RANGE (mL)	STOPPER SIZE
706442	26650-125	125	50 to 125	6
706444	26650-250	250	50 to 225	8
706445	26650-500	500	100 to 500	10
706441	26650-1000	1000	250 to 1000	11
706443	26650-2000	2000	600 to 2000	13

Vee Gee Erlenmeyer Flasks

The Vee Gee Erlenmeyer Flasks feature heavy-duty rim to reduce chipping, permanent white graduations, and marking squares. It is made from high-quality borosilicate tubing with a low coefficient of expansion.



C&M PART #	MFG PART #	CAPACITY (mL)	RANGE (mL)	STOPPER SIZE	QUANTITY
704295	10530-100A	100	40 to 100	2	10
704297	10530-300A	300	100 to 300	6	10
704298	10530-500A	500	200 to 500	6	10
704294	10530-1000A	1000	400 to 1000	8	10
704296	10530-2000	2000	800 to 2000	10	1

Vee Gee SIBATA Volumetric Flasks with Snap Caps

The Vee Gee SIBATA Class A Volumetric Flask features machine-blown body and heavy-beaded, heavy-tubing neck that is tooled for a snap-cap fit. Flasks are designed “to contain” and feature a permanent, sharp graduation line. Easily mark sample information on a large white marking area. Flasks are constructed of borosilicate glass with a low coefficient of expansion and meets ASTM E-288 Class A specifications & USP standards for volumetric flasks. Order replacement snap-fit caps below.



C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
704371	2303A-10	10	6
704375	2303A-25	25	6
704377	2303A-50	50	4
704372	2303A-100	100	4
704374	2303A-200	200	4
704376	2303A-250	250	4
704378	2303A-500	500	2
704373	2303A-1000	1000	2

REPLACEMENT SNAP-FIT CAPS ORDERING TABLE

C&M PART #	MFG PART #	DESCRIPTION
704682	SC#1	Snap-Cap Size 1, Fits Volumetric Flask 2303A-10
704683	SC#2	Snap-Cap Size 2, Fits Volumetric Flask 2303A-25
704684	SC#3	Snap-Cap Size 3, Fits Volumetric Flasks 2303A-50 & 2303-100
704685	SC#4	Snap-Cap Size 4, Fits Volumetric Flasks 2303A-200 & 2303-250
704686	SC#5	Snap-Cap Size 5, Fits Volumetric Flask 2303A-500
704687	SC#6	Snap-Cap Size 6, Fits Volumetric Flask 2303A-1000

Thermo Scientific™ Nalgene™ Plastic Volumetric Flasks with Screw-On Top

Thermo Scientific Nalgene Class B Polypropylene Copolymer (PPCO) Volumetric Flasks with closure are lighter in weight than glass. They are also leakproof* and shatterproof, providing a safer work environment. Flasks offer excellent chemical resistance and are calibrated “to contain” and “to deliver” at 20°C (68°F). Flasks are autoclavable and graduated meets ASTM E 288 and ISO 384 Class B tolerances for consistent quality and dependability.



C&M PART #	MFG PART #	CAPACITY (mL)
706524	4000-0050	50
706521	4000-0100	100
706523	4000-0250	250
706525	4000-0500	500
706522	4000-1000	1000

*When used with included Nalgene closure.

KIMBLE® KIMAX® Certified & Serialized Glass Volumetric Flasks with Glass Stopper

KIMBLE KIMAX Class-A Serialized and Certified Volumetric Flasks with standard taper glass pennyhead stopper are ideal for measuring accurate volumes of liquids. These flasks are calibrated to “contain”, permanently marked with an individual serial number and supplied with a Certificate of Graduation Accuracy. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements and designed from ASTM Specification E288, Class A serialized requirements.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	STOPPER SIZE
706793	28017-10	10	± 0.02	9
706798	28017-25	25	± 0.03	9
706800	28017-50	50	± 0.05	9
706794	28017-100	100	± 0.08	13
706796	28017-200	200	± 0.10	16
706799	28017-250	250	± 0.12	16
706801	28017-500	500	± 0.20	19
706795	28017-1000	1000	± 0.30	22
706797	28017-2000	2000	± 0.50	27

KIMBLE® KIMAX® Glass Volumetric Flasks with Ground Glass Stoppers

KIMBLE KIMAX Class-A Volumetric Flasks with glass pennyhead stopper are calibrated to “contain” and have a single graduation ring blasted on the neck. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements and designed from ASTM Specification E288, Class A requirements.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	STOPPER SIZE
706784	28014-50	50	±0.05	9
706779	28014-100	100	±0.08	13
706781	28014-200	200	±0.10	16
706783	28014-250	250	±0.12	16
706785	28014-500	500	±0.20	19
706780	28014-1000	1000	±0.30	22
706782	28014-2000	2000	±0.50	27

Vee Gee SIBATA Class-A Glass Volumetric Flasks with Glass Stopper

The SIBATA Class-A Volumetric Flasks feature machine-blown body and heavy-beaded, heavy-tubing neck that is tooled for standard taper glass stopper. Sharply defined and permanent graduation line and large, white block letter labelling are easy to read. Volumetric flasks are made of borosilicate glass, calibrated “to contain” at 20°C and meet ASTM E-288 Class A specifications. Micro volumetric flasks, 1- and 2-mL sizes, feature a hexagonal base for added stability. Flasks 5 mL and larger have a large marking area for easily identifying samples.



C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (mL)	STOPPER SIZE	QUANTITY
704379	2306A-1	Volumetric Flask with Stopper	1	9	6
704383	2306A-2	Volumetric Flask with Stopper	2	9	6
704388	2306A-5	Volumetric Flask with Stopper	5	9	6
704380	2306A-10	Volumetric Flask with Stopper	10	9	6
704386	2306A-25	Volumetric Flask with Stopper	25	9	6
704389	2306A-50	Volumetric Flask with Stopper	50	13	4
704381	2306A-100	Volumetric Flask with Stopper	100	13	4
704384	2306A-200	Volumetric Flask with Stopper	200	16	4
704387	2306A-250	Volumetric Flask with Stopper	250	16	4
704390	2306A-500	Volumetric Flask with Stopper	500	19	6
704382	2306A-1000	Volumetric Flask with Stopper	1000	22	2
704385	2306A-2000	Volumetric Flask with Stopper	2000	27	2
704335	202GK-004	Volumetric Flask Variety Kit	10, 25, 50 and 100	9, 13	4

KIMBLE® KIMAX® Glass Volumetric Flasks with PE Stoppers

KIMBLE KIMAX Class-A Volumetric Flasks with polyethylene (PE) stopper are calibrated to “contain” and have a single graduation ring blasted on the neck. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements. The PE stopper (28160R) fits in the standard taper ground neck; enlarged stopper top protects the neck if flask is tipped over.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	STOPPER SIZE
706791	28014P-50	50	±0.05	9
706786	28014P-100	100	±0.08	13
706788	28014P-200	200	±0.10	16
706790	28014P-250	250	±0.12	16
706792	28014P-500	500	±0.20	19
706787	28014P-1000	1000	±0.30	22
706789	28014P-2000	2000	±0.50	27

KIMBLE® KIMAX® Wide-Mouth Volumetric Flasks

KIMBLE KIMAX Class-A Wide-Mouth Volumetric Flasks with standard taper glass stopper make it easy to performing large numbers of dilutions using volumetric pipets. Heavy-duty flasks provide superior strength, durability and safety from heavy, uniform walls with flat interior bottoms for stirring with standard stir bars. Large, permanent, easy-to-read markings offer quick identification. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	STOPPER SIZE
706802	92812G-10	10	±0.08	13
706805	92812G-50	50	±0.08	13
706803	92812G-100	100	±0.10	16
706804	92812G-250	250	±0.20	19

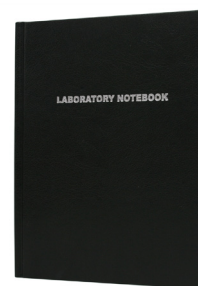
Kimtech Science® Kimwipes® Wipers

Quickly and easily wipe up liquids and dust using Kimwipes wipers. Light-duty wipers handle a variety of delicate tasks such as cleaning parts, instruments and laboratory lenses. Extra low-lint, 100% virgin wood fiber wipers are soft and nonabrasive—excellent for delicate surfaces. The antistatic dispenser reduces electrostatic discharge and dispenses wipers one at a time.



C&M PART #	MFG PART #	SIZE	WIPES/BOX
1-PLY WIPES			
108045	34155	4.4" x 8.4"	280
108044	34133	11.8" x 11.8"	196
108046	34256	14.7" x 16.6"	140
2-PLY WIPES			
108047	34705	11.8" x 11.8"	119
108048	34721	14.7" x 16.6"	90
3-PLY WIPES			
108049	34743	11.8" x 11.8"	119

Lab Notebook



Record research data, experimental procedures, design, development ideas, and more in the durable, hardbound notebook. Made of acid-free paper, pages are numbered and include space for title, date, project number, book number, date, and witness signature. Notebooks are available with gridded or lined paper.

C&M PART #	MFG PART #	COVER COLOR	NO. OF PAGES	PAGE FORMAT
705462	HS8610A	Black	100	Gridded
705463	HS8610B	Blue	200	Gridded
705464	HS8610D	Red	200	Lined
705465	HS8610E	Black	100	Lined



Helpful Tip: Labconco Fume Hoods Available

Fume hoods capture and remove contaminants from the work area to protect workers from harmful smoke, dust, fumes and vapors. A blower pulls room air into the enclosure, which is then either exhausted using a duct system (ducted fume hoods) out of the building or through a filter (ductless fume hoods). A variety of fume hoods are available depending on your application and the ability to exhaust out of the building.

Protector Premier Laboratory Hoods:

These fume hoods have a one-piece liner of specially formulated, fiberglass-reinforced polyester, which offers corrosion and fire resistance and easy clean up. These by-pass hoods feature the largest unobstructed sightline available. These general-purpose hoods are ideal for corrosive fumes but should not be used with perchloric acid, radioactive materials or biological hazards.

Laboratory Basic Fume Hoods:

Basic laboratory fume hoods are designed specifically for locations where safe ventilation is required. These economical fume hoods have powder-coated steel construction and have a smaller overall height and depth than traditional hoods so they can fit in areas with low ceilings or narrow aisles.

Paramount Ductless Enclosures:

These enclosures are self-contained workstations, also known as ductless fume hoods, that use carbon filters to rid the laboratory of unsafe concentrations of organic solvents, formaldehyde, acid gases, ammonia, or radioisotopes. Unlike traditional fume hoods, these do not require ducting, so they can be moved from lab to lab.

Contact us or check out our website for more information!



Protector Premier Laboratory Hoods



Laboratory Basic Fume Hoods



Paramount Ductless Enclosures



Bel-Art Vac-Ring Filter Seal



Place filter seal on the Buchner funnel stem to seal off the filter flask mouth preventing air leaks during vacuum filtration. Black neoprene construction offers excellent chemical resistance. Center hole fits funnel stems up to 22 mm diameter. Seal measures 9.5 mm H x 76 mm OD—wide enough to fit up to 4000 mL capacity filter flasks.

C&M PART #	MFG PART #	DESCRIPTION
707498	H38959-0000	Vac-Ring Filter Seal

Bel-Art PP Buchner Funnels

Lightweight polypropylene (PP) Buchner funnels come in two pieces making for quick and easy cleaning. Funnels include a molded in perforated plate and are steam autoclavable at 121°C (250°F). Use with Vac-Ring Filter Seal for quick filter setup.



C&M PART #	MFG PART #	CAPACITY (mL)
705823	H14601-0000	75
705824	H14602-0000	165
705825	H14603-0000	315
705826	H14604-0000	875

CoorsTek® Buchner Funnels



The one-piece CoorsTek Buchner Funnels feature a fixed perforated plate. Funnels are glazed inside and out except for the rim.

C&M PART #	MFG PART #	CAPACITY (mL)	FILTER PAPER DIAMETER (mm)
706865	66240	87	55
706240	66242	186	70
706241	66243	320	90

Bel-Art Polypropylene Powder Funnels

The Bel-Art Polypropylene Powder Funnels have a wide stem for easily transferring powders. A 60° angle wall incline ensures clog-free filling. Steam autoclave funnels at 121°C (250°F).



C&M PART #	MFG PART #	CAPACITY (mL)	STEM OD (mm)	TOP OD (mm)	QUANTITY
700250	14660-0065	49	15	70	12
700251	14660-0080	138	18	85	12
700252	14660-0100	248	21	105	6
700253	14660-0150	784	29	149	4

KIMBLE® KIMAX® Glass Powder Funnels

The Kimax Glass Powder Funnels with short, wide stem, fire-polished rim and heavy uniform wall offer durability and long service life. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements, the funnels exhibit excellent chemical resistance and high mechanical and thermal shock.



C&M PART #	MFG PART #	STEM OD (mm)	STEM LENGTH (mm)	TOP OD (mm)
706730	29020-60	13	35	60
706729	29020-100	18	35	100

Magnetic Filter Holder for 47-mm Filters

This magnetic filter holder features a unique two-layer magnet creating a tight seal between the funnel and support base holding a membrane disc filter. The user-friendly design allows one-handed operation and prevents possible twisting and tearing of the filter membrane. Attach the included hose barb to the base for a direct connection to a vacuum source; connect to a standard filter flask using the included silicone rubber stopper. Constructed of durable Polyethersulfone (PES), the filter holder is sturdy, autoclavable and resistant to a limited range of solvents.



INCLUDES

Silicone stopper (size 8) and hose barb (4 to 8 mm).

C&M PART #	MFR PART #	DESCRIPTION	SIZE (mL)
706088	1220193	Magnetic Filter Funnel with Lid	300

Vee Gee SIBATA Glass Separatory Funnels with Stopper

The Squibb Style Separatory Funnels with stopper feature a smooth tooled tip, large white block letters, and large marking squares. Funnels are made from high-quality borosilicate tubing with a low coefficient of expansion. The included PTFE stopcocks to eliminate freezing and lubricant contamination.



C&M PART #	MFG PART #	CAPACITY (mL)	STOPPER NO.	STOPCOCK PLUG SIZE
704313	1426T-300	300	24/40	#4
704314	1426T-500	500	24/40	#4
704311	1426T-1000	1000	29/42	#6
704312	1426T-2000	2000	29/42	#6

KIMBLE® KIMAX® Squibb Separatory Funnels with Stopper

The KIMAX Squibb Separatory Funnels come with a standard taper ground glass stopper and a PTFE stopcock. Large ID of the lower stem ensures that a column of liquid will “break” with the stopcock closed, giving a more complete separation and eliminating the necessity of emptying the funnel. Funnels are manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements. These separatory funnels are recommended in Standard Methods.



C&M PART #	MFG PART #	CAPACITY (mL)	STOPCOCK BORE DIA (mm)
706458	29048F-125	125	2
706459	29048F-250	250	4
706457	29048F-1000	1000	4

Thermo Scientific™ Thermolyne™ Industrial Benchtop Muffle Furnace

Reach a maximum temperature of 1200°C with Thermolyne Industrial Benchtop Muffle Furnace. Adjustable alarm or overtemperature protection setting can be used to protect the furnace or loaded chamber from excessive heat. Counter-weighted door swings upward, directing heat away from the user. Simultaneously view both setpoint and actual furnace temperature on the LED display. Heavy-duty firebrick insulation surrounds the opening for added durability.



ThermoFisher
SCIENTIFIC

SPECIFICATIONS

CHAMBER DIMENSIONS	4" W x 3.75" H x 9" D
OVERALL DIMENSIONS	11" W x 16.5" H x 18" D
ELECTRICAL REQUIREMENTS	120V, 50/60 Hz

C&M PART #	MFG PART #	DESCRIPTION
706588	FD1535M	Muffle Furnace, 2.2L

Thermo Scientific™ Thermolyne™ High-Capacity Muffle Furnace

The Thermo Scientific Thermolyne High-Capacity Muffle Furnace is ideal for general laboratory uses, including gravimetric analysis, sintering, quantitative analysis and heat treating. The furnace reaches a maximum temperature of 1200°C; program up to eight ramp and dwell cycles. View both set and actual furnace temperatures simultaneously on the LED display. For added protection, the door safety switch stops power to heating elements when door opens.



ThermoFisher
SCIENTIFIC

A built-in vent port removes contaminants and moisture extending the life of the heating element and furnace. Two open coil heating elements on chamber sides assure fast heat-up with minimum temperature gradient. Thermal-efficient ceramic insulation surrounds chamber for maximum energy efficiency.

SPECIFICATIONS

CHAMBER DIMENSIONS	7" W x 5" H x 10" D
OVERALL DIMENSIONS	13.3" W x 19.5" H x 19" D
ELECTRICAL REQUIREMENTS	120V, 50/60 Hz

C&M PART #	MFG PART #	DESCRIPTION
706416	F48025-60	Muffle Furnace, 5.8 L

Thermo Scientific™ Thermolyne™ Benchtop Muffle Furnaces

Reduce energy consumption and increase heat up time with Thermolyne Benchtop Muffle Furnaces. Furnaces heat up to 1100°C and are ideal for incinerating most types of organic and inorganic samples, performing ignition tests, conducting gravimetric analysis and for the determination of volatile and suspended solids. Furnaces feature digital single setpoint temperature control; view actual or setpoint on the LED display. Door safety switch stops power to heating elements when door is open. The ceramic fiber insulation permits faster heat up, reducing energy consumption.



ThermoFisher
SCIENTIFIC

SPECIFICATIONS

	706625	706626
Chamber Dimensions	4" W x 3.85" H x 5.12" D	5" W x 4.25" H x 5.12" D
Overall Dimensions	9" W x 13" H x 2.36" D	9.84" W x 15.75" H x 14.57" D
Electrical Requirements	120V, 50/60 Hz	120V, 50/60 Hz

C&M PART #	MFG PART #	DESCRIPTION
706625	FB1315M	Benchtop Muffle Furnace, 1.3 L
706626	FB1415M	Benchtop Muffle Furnace, 2.1 L

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706711	EL44X1	Replacement Heating Element for FB1315M Furnace
706712	EL48X1	Replacement Heating Element for FB1415M Furnace

KIMBLE® KIMAX® Low-Form Glass Graduated Cylinders

KIMAX Low-Form Class B Glass Graduated Cylinder has a single metric scale. A short and wide body of the cylinder provides greater stability and decreased breakage. Two pour-outs on opposite sides prove convenience when pouring. Durable white ceramic enamel scales are easy to see. The glass cylinders are marked with "TD" indicating it is calibrated "to deliver". Cylinders are manufactured from borosilicate glass 3.3.



DURAN WHEATON KIMBLE

C&M PART #	MFG PART #	CAPACITY (mL)
706210	20032-50	50
706209	20032-100	100

KIMBLE® KIMAX® Serialized and Certified Glass Graduated Cylinders

Each KIMAX Class A Graduated Cylinder is permanently marked with an individual serial number and supplied with a Certificate of Graduation Accuracy. Durable white ceramic enamel scales are easy to see. The glass cylinders are marked with "TD" indicating it is calibrated "to deliver". Hexagonal base provides excellent stability. SAFE-GARD® bumpers, supplied with 25- through 1000-mL cylinders, offer protection from breakage. The 10-mL cylinder has an enlarged funnel-shaped top for easy filling. All cylinders are manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements.



DURAN WHEATON KIMBLE

C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)
706429	20026-10	10	±0.09
706432	20026-25	25	±0.17
706434	20026-50	50	±0.25
706430	20026-100	100	±0.40
706433	20026-250	250	±0.80
706435	20026-500	500	±1.30
706431	20026-1000	1000	±2.50

KIMBLE® KIMAX® Glass Graduated Cylinders

KIMAX® Graduated Cylinders have a single metric scale and are used for measuring varied amounts of liquids. Durable white ceramic enamel scales are easy to see. The glass cylinders are marked with "TD" indicating it is calibrated "to deliver". SAFE-GARD® bumpers, supplied with 25- through 1000-mL cylinders, offer protection from breakage. The 10-mL cylinder has an enlarged funnel-shaped top for easy filling; the 10- and 25-mL sizes are comparatively short for increased stability. All cylinders are manufactured from borosilicate glass 3.3.



DURAN WHEATON KIMBLE

C&M PART #	MFG PART #	DESCRIPTION
706536	20024-10	Graduated Cylinder, 10 mL
706540	20024-25	Graduated Cylinder, 25 mL
706542	20024-50	Graduated Cylinder, 50 mL
706537	20024-100	Graduated Cylinder, 100 mL
706541	20024-250	Graduated Cylinder, 250 mL
706543	20024-500	Graduated Cylinder, 500 mL
706538	20024-1000	Graduated Cylinder, 1000 mL
706539	20024-2000	Graduated Cylinder, 2000 mL
706214	20024-01	Cylinder Starter Pack, One Each of 10, 25, 50, 100, 250 mL

KIMBLE® KIMAX® Economy Glass Graduated Cylinders

KIMAX Economy Class-A Graduate Cylinders are made of sturdy borosilicate glass 3.3 and feature a reinforced top bead, a pour spout and a hexagonal plastic base. Durable blue ceramic enamel scales are easy to see. The glass cylinders are marked with "TD" indicating it is calibrated "to deliver". SAFE-GARD® bumpers, supplied with 25- through 100-mL cylinders, offer protection from breakage. The 10-mL cylinder has an enlarged funnel-shaped top for easy filling.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)
706752	20025H-10	10	±0.3
706754	20025H-25	25	±0.7
706755	20025H-50	50	±1.0
706753	20025H-100	100	±1.6

KIMBLE® KIMAX® Glass Graduated Mixing Cylinders

KIMAX Graduated Mixing Cylinders come with a pennyhead glass stopper. Cylinders have a single metric scale, durable white ceramic enamel scale and are calibrated "to contain". Mixing cylinders are great for diluting solutions and mixing several components in each quantity ratio. Manufactured from borosilicate 3.3 glass, cylinders comply with ASTM specification E1272, Style II, Class B requirements.



C&M PART #	MFG PART #	CAPACITY (mL)
706696	20039-25	25
706698	20039-50	50
706694	20039-100	100
706697	20039-250	250
706699	20039-500	500
706695	20039-1000	1000

Bel-Art Holdfast™ PP Graduated Cylinders with Handle

The one-piece Holdfast graduated cylinders with a handle provide a secure, solid grip for safer pouring. Raised graduation, double metric scales are easy to read. Hexagonal base prevents tipping and rolling for safer handling. Polypropylene (PP) construction offers excellent chemical resistance; autoclavable at 121°C (250°F).



C&M PART #	MFG PART #	CAPACITY (mL)
700311	28461-1000	1000
700312	28461-2000	2000

Vee Gee SIBATA Glass Graduated Cylinders



SIBATA Class A Graduated Cylinders feature double-metric scale for quick measurement viewing and hexagonal base for added stability. Cylinders meet ASTM E-1272 Class, Style I specifications, are calibrated "to contain" and have ±0.05 mL tolerance. Polyethylene, hexagonal bumper guard protect cylinders from breakage (not included on 2000 mL size). Cylinders are constructed of borosilicate glass and have durable white enamel markings.

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY (mL)	QUANTITY
704414	2351A-5	Graduated Cylinder	5	4
704408	2351A-10	Graduated Cylinder	10	4
704412	2351A-25	Graduated Cylinder	25	4
704415	2351A-50	Graduated Cylinder	50	4
704409	2351A-100	Graduated Cylinder	100	4
704413	2351A-250	Graduated Cylinder	250	4
704416	2351A-500	Graduated Cylinder	500	4
704410	2351A-1000	Graduated Cylinder	1000	2
704411	2351A-2000	Graduated Cylinder	2000	1
704336	202GK-006	Cylinders Variety Kit	10, 25, 50 and 100	4

Bel-Art PP and TPX® Graduated Cylinders

Bel-Art plastic graduated cylinders have a single metric scale with raised numerals for easy reading. All cylinders have a wide octagonal shaped base to prevent from tipping and rolling. The "non-wetting" surface eliminates concave meniscus, making measurement reading easier and more accurate. Translucent polypropylene (PP) graduated cylinders are chemical resistant and autoclavable at 121°C (250°F). Clear TPX brand (polymethylpentene) graduated cylinders withstand temperatures up to 175°C (350°F) and are steam autoclavable at 121°C (250°F).

C&M PART #	MFG PART #	CAPACITY (mL)
TRANSLUCENT PP GRADUATED CYLINDERS		
705868	F28452-0000	10
705869	F28453-0000	25
705870	F28454-0000	50
705871	F28455-0000	100
705872	F28456-0000	250
705873	F28457-0000	500
705874	F28458-0000	1000
CLEAR TPX GRADUATED CYLINDERS		
705876	F28690-0000	10
705877	F28691-0000	25
705878	F28692-0000	50
705879	F28693-0000	100
705880	F28694-0000	250
705881	F28695-0000	500



Thermo Scientific™ Nalgene™ PP and PMP Graduated Cylinders

These affordably priced polypropylene (PP) and polymethylpentene (PMP) graduated cylinders have a generous pour spout and exhibit excellent chemical resistance. Easily dispense liquids with simple-to-read, molded-in graduations that won't rub off. Cylinders have no meniscus to confuse readings, allowing for accurate measurements. All graduated cylinders are temperature resistant up to 135°C (275°F).



Translucent PP graduated cylinders are designed for single use and calibrated “to contain” and “to deliver” at 20°C. Large, ribbed, rounded base provides reinforcement and stability, preventing rolling or tipping. Transparent PMP graduated cylinders come with a large blue PP octagonal base that prevents rolling and tipping and are autoclavable.

C&M PART #	MFG PART #	CAPACITY (mL)
TRANSPARENT PP GRADUATED CYLINDERS		
706362	3664-0010	10
706365	3664-0025	25
706367	3664-0050	50
706363	3664-0100	100
706366	3664-0250	250
706368	3664-0500	500
706364	3664-1000	1000
CLEAR PMP GRADUATED CYLINDERS		
706544	3663-0010	10
706547	3663-0025	25
706549	3663-0050	50
706545	3663-0100	100
706548	3663-0250	250
706550	3663-0500	500
706546	3663-1000	1000

Shel Lab Compact Refrigerated BOD Incubators



The Shel Lab SRI3 compact, low-temperature incubator is ideal for where space is tight. Use this refrigerated incubator to meet APHA specifications for Biochemical Oxygen Demand (BOD) analysis. PID temperature controller and gentle, continuous forced-air circulation ensure excellent temperature accuracy and uniformity. Safety features include both over- and low-temperature cutoffs and a circuit breaker to protect from electrical overload. The display shows current chamber temperature; push the up and down buttons to see the setpoint. Two one-amp interior outlets let you plug in additional equipment such as shakers, stirrers and roller bottles. Hermetically sealed compressor and corrosion-resistant chamber make it easy to clean.

FEATURES & BENEFITS

- Microprocessor PID temperature control provides excellent accuracy
- Fan assisted/forced-air circulation ensures great temperature uniformity
- Over- and low-temperature cutoff features sample integrity
- Interior electrical outlets for connecting auxiliary equipment
- Hermetically sealed compressor does what? Please list benefit

INCLUDES

Incubator, Two Shelves (Adjustable in Two-Inch Increments) and Power Cord. 24-Month Limited Warranty.

SPECIFICATIONS

BOTTLE CAPACITY	62
CHAMBER DIMENSIONS (in., W x D x H)	16 x 14 x 22.5
OVERALL DIMENSIONS (in., W x D x H)	24 x 21 x 33.8
POWER REQUIREMENTS (VAC, Hz)	115, 50/60
TEMPERATURE RANGE (°C)	0 to 45
TEMPERATURE UNIFORMITY (°C)	±0.5
WEIGHT (lbs)	93

C&M PART #	MFG PART #	DESCRIPTION
705658	SRI3	2.4 cu ft (62 Bottles)

Thermo Scientific™ Precision™ Low-Temperature Undercounter BOD Incubator

Conduct applications that require temperatures ranging from -10° to +60°C with Thermo Scientific™ Precision™ Low-Temperature BOD Refrigerated Incubator. Incubator is ideal for biochemical oxygen demand (BOD) testing, bacterial research, and much more. Microprocessor control and forced air circulation ensure uniform temperature throughout the incubator.



ThermoFisher
SCIENTIFIC

FEATURES & BENEFITS

- Microprocessor control with easy-to-read display shows actual temperature within 0.1°C.
- Push-button controls for temperature set point selection.
- Forced-air circulation delivers excellent temperature stability.
- CFC-free, foamed polyurethane insulation prevents heat loss.
- RTD temperature probe and protected setpoint mode prevent accidental temperature change.
- 2A outlet supports apparatus inside the unit.
- Easy-to-clean, corrosion-resistant construction.

SPECIFICATIONS

BOTTLE CAPACITY	>100
CHAMBER CAPACITY (cu ft)	6.1
CHAMBER DIMENSIONS (in., W x D x H)	20.5 x 20.5 x 28
OVERALL DIMENSIONS (in., W x D x H)	24 x 24.5 x 34.5
POWER REQUIREMENTS	115 VAC, 50/60 Hz
TEMPERATURE RANGE (°C)	-10 to 60
TEMPERATURE UNIFORMITY (°C)	±0.6
# OF SHELVES	2

C&M PART #	MFG PART #	DESCRIPTION
707499	PR205745R	Undercounter BOD Incubator

MilliporeSigma™ Sterile Petri Dishes with Petri-Pad™

Sterile petri dishes come preloaded with cellulose pad for performing coliform analysis using the membrane filtration technique. Simply dispose the dishes after analysis to eliminate accidental contamination. Each pad holds 1.8 to 2.2 mL of media.



MilliporeSigma

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706087	PD20047S0	Petri-Pad Dishes, 47 mm	150

Shel Lab Peltier-Cooled BOD Incubators



[705653](#)



[705654](#)



[705655](#)

SHEL LAB

Shel Lab Peltier-Cooled Biochemical Oxygen Demand (BOD) Incubators use innovative thermoelectric cooling technology that eliminates the need for a refrigeration compressor. These incubators use 71% less power than conventional models and reduce room air conditioning loads by 75%. PID temperature controller operates the thermoelectric cooling-and-heating (TEC-H) device to automatically cool and heat to maintain the chamber temperature. A mechanical convection system ensures even air distribution providing great temperature uniformity. The incubators meet APHA specifications for BOD. The heavy-duty shelves have 35-lb capacity to eliminate sagging. Incubators are available in three sizes: 3.5 cu ft (84 Bottles), 6.5 cu ft (120 Bottle) and 19.3 cu ft (300 Bottles) capacity.

FEATURES & BENEFITS

- PID temperature control provide excellent temperature accuracy
- Fan assisted/forced-air circulation offer great uniformity
- TEC-H technology—no need for a refrigeration compressor
- Interior electrical outlet for plugging in auxiliary equipment
- Door ajar alarm lets you know if the door is left open
- Easy-to-clean aluminum interior

INCLUDES

Incubator, Shelves, Brackets, Clips, Leveling Feet, Humidification Kit and Power Cord. 24-Month Limited Warranty.

SPECIFICATIONS

C&M PART #	705653	705654	705655
Bottle Capacity	84	120	300
Chamber Dimensions (in., W x D x H)	18.9 x 16.9 x 26.4	25.5 x 24 x 18.5	25.5 x 24 x 54.5
Overall Dimensions (in., W x D x H)	24.1 x 21.3 x 33.8	30 x 31.5 x 33.5	30 x 31.5 x 69.5
Power Requirements	115 VAC, 50/60 Hz	115 VAC, 50/60 Hz	115 VAC, 50/60 Hz
Temperature Range (°C)	15 to 40	15 to 40	15 to 40
Temperature Uniformity (°C)	±0.5	±0.5	±0.5
# of Shelves	Two Small	Two Medium	Five Medium
Weight (lbs)	105	125	246

C&M PART #	MFG PART #	DESCRIPTION
705653	SRI3P	Peltier-Cooled BOD Incubator, 3.5 cu ft (84 Bottles)
705654	SRI6P	Peltier-Cooled BOD Incubator, 6.5 cu ft (120 Bottles)
705655	SRI20P	Peltier-Cooled BOD Incubator, 19.3 cu ft (300 Bottles)

Bel-Art Frio-Temp® Thermometers

These mercury-free, nontoxic, nonhazardous Enviro-Safe® thermometers are traceable to NIST. Use them to safely verify sample temperatures in refrigerators, incubators and ovens.



FEATURES & BENEFITS

- PFA coating on thermometers safely contain glass and liquid in case of breakage
- Feature permanently fused markings, lead-free glass and individually serialized
- Thermometers contain organic liquid, or EnviroKleen™ certified Enviro-Safe® liquid (Both listings have Enviro-Safe in the title, wouldn't they both have Enviro-Safe liquid? If not, the heading of the table needs to be changed)

INCLUDES

Thermometer in a plastic bottle, statement of accuracy and traceability, Velcro® and magnetic attachments.

CERTIFICATIONS

- Greener Choice, No Mercury

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY (°C)	DIVISIONS (°C)	LENGTH	DESCRIPTION
PRECISION ENVIRO-SAFE THERMOMETERS						
707380	61001-0100	-25 to -5	±0.2	0.1	210 mm (8.25")	Freezer
700419	61001-0200	-2 to 10	±0.2	0.1	180 mm (7")	Refrigerator
700420	61001-0300	15 to 30	±0.2	0.1	180 mm (7")	Incubator
700421	61001-0400	25 to 45	±0.2	0.1	190 mm (7.5")	Incubator
700422	61001-0500	95 to 115	±0.2	0.1	200 mm (8")	Oven
ENVIRO-SAFE THERMOMETERS						
707381	61004-0300	-30 to 1	±0.5	0.5	135 mm (5.3")	Freezer
700423	61004-0100	-5 to 15	±0.5	0.5	125 mm (4.9")	Refrigerator
700424	61004-0500	15 to 50	±0.5	0.5	135 mm (5.3")	Incubator

Shel Lab Digital Laboratory Incubators

The SHEL LAB Microbiological Incubators have been redesigned for optimum performance. These incubators are perfect for general cell culture and constant temperature applications. Ranging in size from 2 to 11.7 cubic feet (57 to 331 liters), the SMI Series will fit any workspace. 2-Year Warranty



FEATURES & BENEFITS

- New 7-inch touchscreen is usable even with gloves on.
- Updated icons offer clarity for setup and operation.
- Improved real-time clock accuracy—easily log events.
- New access points for setpoint, alarms and data log export.
- With on-screen graphing and real-time data, the new SMI controller provides the highest levels of sample security and traceability.
- Stainless steel interior for easy cleaning and durability.
- Interior outlet supports apparatus inside the unit.

SPECIFICATIONS

	SMI2	SMI6	SMI7	SMI11	SMI12
POWER REQUIREMENTS					
Voltage	100-120	100-120	100-120	100-120	100-120
Amperage	4.5	6.0	6.5	10.0	5.85/Chamber
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max Shelves per Unit	6	12	9	12	12
Capacity (cu ft)	2.0	5.9	6.5	10.9	11.7
Shipping Weight	117 lb.	187 lb.	198 lb.	300 lb.	372 lb.
DIMENSIONS (INCHES)					
Exterior (W x D x H)	21.3 x 22.3 x 26	25.3 x 27.3 x 38	30 x 31 x 32	42 x 27 x 38	25.3 x 27.3 x 76
Interior (W x D x H)	15 x 15 x 15.2	19.5 x 20 x 26	23.7 x 24 x 20	36.2 x 20 x 26	19.5 x 20 x 26*
TEMPERATURE (ALL UNITS)					
Range	Ambient +8° to 70°C				
Uniformity	± 0.5° @ 37°C				
Stability	± 0.1° @ 37°C				

*The interior dimensions are for each SMI12 chamber

C&M PART #	MFG PART #	DESCRIPTION
705646	SLM222	SMI2 Laboratory Incubator, 2 cu ft
705647	SLM622	SMI6 Laboratory Incubator, 5.9 cu ft
705648	SLM722	SMI7 Laboratory Incubator, 6.5 cu ft
705649	SLM1122	SMI11 Laboratory Incubator, Side-by-Side, 10.9 cu ft
705650	SLM1222	SMI12 Laboratory Incubator, Dual-Stacked, 11.7 cu ft (5.85 cu ft/Chamber)

Hach Sample Cells

USE WITH:																		
C&M PART #	MFG PART #	SHAPE	MATERIAL	QUANTITY	Test Kits	Pocket Colorimeter	DR300/ Pocket Colorimeter II	DR800/ DR900	DR1900	DR2000/ DR2010	DR2700	DR2800	DR3000	DR3800	DR3900	DR4000	DR5000	DR6000
701871	2743400	Square	Plastic	100										X			X	X
702060	4165802	Round	Plastic	2		X												
700010	4660004	Round	Plastic	4	X													
700029	4864302	Round	Plastic	2			X	X	X		X	X			X		X	X
702302	5940500	Round	Plastic	1							X	X		X				
702303	5940506	Round	Plastic	6							X	X		X				
701540	2410212	Square	Polystyrene	12					X		X	X		X	X		X	X
700011	173006	Round	Glass	6	X													
700933	1353702	Square	Glass	2						X			X					
701093	1993500	Square	Glass	2									X					
701196	2095000	Square	Glass	2						X								
701244	2122800	Round	Glass	1							X	X		X				X
701520	2401906	Round	Glass	6				X										
700028	2427606	Round	Glass	6			X	X	X	X					X		X	X
701641	2495402	Square	Glass	2					X		X	X		X	X		X	X
701642	2495408	Square	Glass	8					X		X	X		X	X		X	X
701756	2612602	Square	Glass	2					X		X	X		X	X		X	X
701771	2629250	Rectangle	Glass	1							X	X		X	X		X	X
701820	2665902	Square	Glass	2												X		
701821	2665904	Square	Glass	4												X		
701822	2665908	Square	Glass	8												X		
701966	2838300	Round	Glass	6*							X							
701769	2624410	Rectangle	Quartz	1													X	X
701770	2624450	Rectangle	Quartz	1													X	X
702144	4822800	Square	Quartz	2													X	X

*Four 10-mL Sample Cells and Two 25-mL Sample Cells



[701871](#)



[702060](#)



[701540](#)



[700028](#)



[701641](#)



[701771](#)



Helpful Tip: Microscope Terminology

Stereo vs. Compound Microscopes

Stereo Microscopes are used to inspect larger objects, and only have an optical range of 10x to 50x. These microscopes utilize a light source above the sample, allowing analysis of opaque and three-dimensional specimens. Stereo microscopes are useful for analyzing colonies on petri dishes. Compound Microscopes are used to inspect very small specimens, which cannot be seen with the naked eye. The light source for compound microscopes is usually below the sample, so the specimen needs to be thin enough that light can pass through. These microscopes have a much higher range of magnification, with an optical range of 40x up to 1000x.

Phase Contrast vs. Brightfield Microscopes

When using Brightfield Microscopes, the specimen appears dark against a bright background. These microscopes are suitable for viewing most organisms, although staining may be required. Phase Contrast Microscopes on the other hand, create a contrast between the cell and the water. These microscopes are best used when studying the shape of microorganisms and identifying transparent organisms, often removing the need for staining.

Binocular vs. Trinocular Heads

A Binocular Microscope has two eyepieces for viewing the specimen. Whereas a Trinocular Microscope has a third eye tube which can be used to connect a microscope camera, for simultaneous recording and viewing of the specimen.

Plan Achromatic vs. Achromatic Objectives

These terms indicate how well a microscope corrects for flatness of a field. Plan Achromatic Objectives have a correction of 95% or more, whereas Achromatic Objectives have no correction for flatness. This has the greatest impact at high levels of magnification (400x and 1000x), where only either the center of the field or the edges of the field of view will be in focus

when using achromatic objectives. When using plan achromatic objectives, however, the entire field of view will remain in focus even at high magnifications.

Koehler Illumination

Koehler Illumination is a method of illuminating a sample to provide optimum contrast and resolution. This is attained by focusing and centering the light on the sample so that it is evenly spread over the field of view.

Sub-Stage Condensers

The sub-stage condenser concentrates the source light into a cone onto the specimen to ensure that it is uniformly lit. Every time the objective is changed, the sub-stage condenser needs to be adjusted to match numerical aperture (N.A.) of the objective. It is important that the N.A. of the sub-stage condenser and the N.A. of the objective are matching in order to achieve the ideal viewing conditions of the sample.

Magnification

When calculating a microscope's total magnification, both the eyepiece and objective lens need to be taken into account. Simply multiply the eyepiece magnification by the objective lens magnification to get the total magnification. When viewing wastewater organisms, 400x and 1000x magnifications are recommended. To increase the sharpness of the image when working at 1000x, it is recommended to use immersion oil.

Microscope Cameras

Microscope cameras allow you to capture images to view your sample live on a computer or tablet. These images can also be saved for future reference or be shared with others. Trinocular microscopes have a dedicated slot for the camera, allowing for easy image recording.

Vee Gee Vanguard® 1400-Series Professional Microscopes

VanGuard 1400-Series Professional Compound Microscopes combine top performance with highly advanced features that stand up to the rigorous requirements of even the most demanding laboratory. Microscopes feature vivid, infinity-corrected optics, 10x high-eyepoint widefield eyepieces, 20W variable quartz halogen illumination and field diaphragms for Koehler illumination.

Full-size frame eliminates the fatigue and strain associated with working long hours over a microscope. Low-position focusing controls and long drop-down X-Y controls ensure simple, consistent and comfortable use.

INCLUDES

Clear diffusing filter, blue filter, spare lamp, fuses and dust cover. 5-year warranty.



SPECIFICATIONS

MODEL	1421BRI	1431BRI
Type	Brightfield	Brightfield
Head	Binocular	Trinocular
Eye Pieces	10x Widefield	10x Widefield
Objective Type	Plan Achromatic	Plan Achromatic
Objectives	4x/10x/40x/100x	4x/10x/40x/100x
Stage Size	160 x 140 mm	160 x 140 mm
Stage Type	Mechanical	Mechanical
Illumination	20W Halogen	20W Halogen

C&M PART #	MFG PART #	DESCRIPTION
704309	1421BRI	Compound Binocular Microscope
704315	1431BRI	Compound Trinocular Microscope

Vee Gee VanGuard® 1300-Series Advanced Microscopes

VanGuard 1300-Series Compound Microscopes have vivid, infinity-corrected optics and offer exceptionally high optical flatness and visual clarity. Ultra-low focusing controls, angled viewing head and interpupillary/dioptric adjustments make this comfortable to use. Compact frame takes up little benchtop space—ideal for small labs. Both models feature 10x high-eyepoint widefield eyepieces, 20W variable quartz halogen illumination and field diaphragms for Koehler illuminations.



INCLUDES

Clear diffusing filter, blue filter, spare lamp, fuses and dust cover. 5-year warranty.

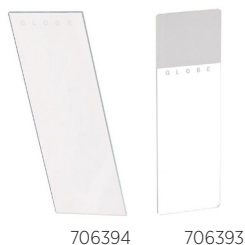
SPECIFICATIONS

MODEL	1321BRI	1331BRI
Type	Brightfield	Brightfield
Head	Binocular	Trinocular
Eye Pieces	10x Widefield	10x Widefield
Objective Type	Plan Achromatic	Plan Achromatic
Objectives	4x/10x/40x/100x	4x/10x/40x/100x
Stage Size	160 x 140 mm	160 x 140 mm
Stage Type	Mechanical	Mechanical
Illumination	20W Halogen	20W Halogen

C&M PART #	MFG PART #	DESCRIPTION
704301	1321BRI	Compound Binocular Microscope
704303	1331BRI	Compound Trinocular Microscope

Globe Scientific Inc.® Microscope Slides

These plain and frosted microscope slides are produced from premium glass sheets to offer exceptional quality while providing considerable savings. The ground edge microscope slides with slightly clipped “safety corners” offer comfortable handling and prevent the risk of finger and hand cuts. All microscope slides are precleaned, ready for use and printed with “Globe” under the frosting area for orientation purposes. Slides measure 75 mm x 25 mm with 1.1 mm thickness.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706394	1321	Plain Microscope Slides	72
706393	1324W	Frosted Microscope Slides	144

Vee Gee VanGuard® 1200-Series Basic Microscope

VanGuard 1200-Series Basic Compound Microscope is ideal for education and research laboratories. The drop-down X-Y stage control is positioned close to the focus control for quick and easy adjustments. Microscope features 10x high-eyepoint widefield eyepieces, 20W variable quartz halogen illumination and field diaphragms for Koehler illuminations.



INCLUDES

Clear diffusing filter, blue filter, spare lamp, fuses and dust cover. 5-year warranty.

SPECIFICATIONS

TYPE	Brightfield
HEAD	Binocular
EYE PIECES	10x Widefield
OBJECTIVE TYPE	Achromatic
OBJECTIVES	4x/10x/40x/100x
ILLUMINATION	20W Halogen

C&M PART #	MFG PART #	DESCRIPTION
704300	1220CM	Compound Binocular Microscope

Vee Gee VanGuard® 1300SL-Series Stereo Microscope

VanGuard® 1300SL-Series Stereo Microscope features precision optics to ensure the highest level of performance for inspection and dissection. Upper and lower LED illuminations provide the bright and energy-efficient illumination. Large stage area easily accommodates larger samples.



INCLUDES

Eyecups (2), dust cover and manual. 5-year warranty.

SPECIFICATIONS

HEAD	Binocular
EYE PIECES	10x Widefield
OBJECTIVE TYPE	Plan Achromatic
OBJECTIVES	1x and 3x
ILLUMINATION	LED

C&M PART #	MFG PART #	DESCRIPTION
704305	1353SL	Dual Magnification Stereo Binocular Microscope

Vee Gee VanGuard® ISH-Series Microscope Digital Cameras

VanGuard ISH-Series High-Definition Digital Cameras produce high-definition live images and video for the documentation and archival of clinical, life science, material science laboratory imaging analysis. Easily install on essentially any microscope with an existing camera port or eye tube using a standard C-mount adapter.



Equipped with 1/2", 1/2.5", or 1/2.3" CMOS image sensors, cameras deliver exacting image clarity and color. The on-chip 8-bit A/D converter is capable of operating at up to 40 fps. Cameras feature still & video capture modes, automatic/manual exposure control, manual gamma control, and automatic/manual balance control.

With up to 3856 x 2764 resolution and the included full-feature imaging software, these cameras are a perfect match for many science applications. Full capture solutions are included to provide the user with the ultimate in live image analysis and archival. No separate power cable is required for the cameras; video, power, and full camera control are all enabled with a single USB cable.

C&M PART #	MFG PART #	MEGAPIXEL
FOR 1220CM, 1300-SERIES, AND 1400-SERIES MICROSCOPES		
704307	1400-CDPC-3	3 MP
704308	1400-CDPC-5	5 MP
704306	1400-CDPC-10	10 MP
FOR 1353SL MICROSCOPE		
704679	M1397-K005-1	3 MP
704680	M1397-K007-1	5 MP
704681	M1397-K009-1	10 MP

Microscope Slide Box

Safely store or transport standard size slides (76 x 26 mm and 3 x 1 in) using the microscope slide box. Box securely stores up to 100 slides in grooved slots. Made from durable ABS plastic, this box is lined with cork and closes securely with a rust-resistant nickel-plated clasp and pin hinges. Box measures 8.2"L x 6.9"W x 1.3"H (20.8 x 17.5 x 3.4 cm).



C&M PART #	MFG PART #	DESCRIPTION
705188	HS15994F	Premium Microscope Slide Box, 100-Place, Gray

Corning® Square Microscope Cover Slips

Borosilicate cover slips help magnify and protect the specimen being observed on the slide while decreasing the rate of evaporation. Cover glass measures 25 mm x 25 mm; #2 thickness (0.19 to 0.23 mm)



C&M PART #	MFG PART #	DESCRIPTION
706328	2855-25	Square Cover Glass, Pack of 100

Kimtech Science® Kimwipes® Wipers

Quickly and easily wipe up liquids and dust using Kimwipes wipers. Light-duty wipers handle a variety of delicate tasks such as cleaning parts, instruments and laboratory lenses.



Extra low-lint, 100% virgin wood fiber wipers are soft and nonabrasive—excellent for delicate surfaces. The antistatic dispenser reduces electrostatic discharge and dispenses wipers one at a time.

C&M PART #	MFG PART #	SIZE	WIPES/BOX
1-PLY WIPES			
108045	34155	4.4" x 8.4"	280
108044	34133	11.8" x 11.8"	196
108046	34256	14.7" x 16.6"	140
2-PLY WIPES			
108047	34705	11.8" x 11.8"	119
108048	34721	14.7" x 16.6"	90
3-PLY WIPES			
108049	34743	11.8" x 11.8"	119

Bel-Art Microscope Optics Cleaning Kit

Contains everything you need to keep optics and microscope parts sanitary, clean and clear. No Air Shipment.



INCLUDES

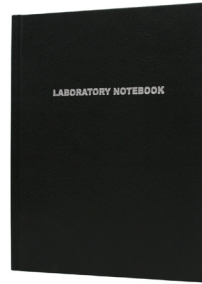
Ten pre-saturated optical cleaning pads, two individually wrapped packs of antistatic plastic surface wipes, two, 15.2cm (6") swabs premoistened with alcohol and instructions.



C&M PART #	MFG PART #	DESCRIPTION
700262	17072-0000	Microscope Optics Cleaning Kit

Lab Notebook

Record research data, experimental procedures, design, development ideas, and more in the durable, hardbound notebook. Made of acid-free paper, pages are numbered and include space for title, date, project number, book number, date, and witness signature. Notebooks are available with gridded or lined paper.



C&M PART #	MFG PART #	COVER COLOR	NO. OF PAGES	PAGE FORMAT
705462	HS8610A	Black	100	Gridded
705463	HS8610B	Blue	200	Gridded
705464	HS8610D	Red	200	Lined
705465	HS8610E	Black	100	Lined

Bel-Art Write-On™ Tape & Dispenser



Write-on label tape adheres to any clean surface, including Teflon® fluoropolymer resin coated materials, and peels off without leaving a sticky residue. Label tapes consist of colored paper with rubber resin adhesive that resists moisture and most solvents. Pencil, ball-point pen or solvent ink marker remain legible under the most demanding laboratory conditions. Tape withstands a maximum temperature of 157°C (315°F) for 30 minutes or 80°C (176°F) for 24 hours and can be used down to -80°C (-112°F); withstands a steam autoclaving cycle at 121°C (250°F) and gamma irradiation between 13.0 and 45.0kGy. Use with Write-On tape dispenser for quick and easy dispensing of tape.

The single- or multi-roll dispenser holds, and releases tape cut to your specification. Dispensers accept tape with 3" ID core; single-roll dispenser accepts tape rolls up to 1" wide. A convenient 4" x 6" writing platform accommodates both left- and right-handed users for labeling tape prior to dispensing.

C&M PART #	MFG PART #	DESCRIPTION	COLOR	SIZE (W x L)	QUANTITY
TAPE					
700244	13483-0050	Label Tape	White	1/2" x 40 yd	6
700245	13483-0075	Label Tape	White	3/4" x 40 yd	4
700246	13483-0100	Label Tape	White	1" x 40 yd	3
700247	13487-0075	Label Tape	Blue	3/4" x 40 yd	4
700241	13463-0600	Label Tape, Multi-Pack	Rainbow	3/4" x 40 yd	6
DISPENSERS					
700240	13461-0000	Single-Roll Tape Dispenser, 8-3/8" x 3-3/8" x 3-3/4"			
700242	13468-0000	Multi-Roll Tape Dispenser, 10-1/4" x 6" x 4-3/8"			

Shel Lab Digital Laboratory Ovens



These Digital Laboratory Ovens have triple wall construction to ensure the outside stays cool even when the inside temperature is at its maximum of 306°C. Ovens feature a 99 hr. 59 min. countdown timer; when the timer reaches zero, the oven shuts off.

Select from gravity convection oven or forced air ovens. Gravity convection oven is ideal for processing powders and other products that may be disturbed by forced air. Forced air ovens offer faster heating time and better temperature uniformity. They include an advanced PID temperature control system for a sensitive response and are recommended for critical and analytical use in laboratory and pilot plant product research.

FEATURES & BENEFITS

- Microprocessor control with countdown timer
- Digital temperature display and timer
- 1.75" (45 mm) access port for thermocouple probe

INCLUDES

Adjustable shelves (wire shelves on gravity convection model, perforated shelves on forced air models), adjustable leveling feet, power cord and instruction manual. 2-year limited warranty.

SPECIFICATIONS

C&M PART #	MAX TEMP	CHAMBER (W x H x D)	EXTERIOR (W x H x D)	UNIFORMITY*	# SHELVES†
705659	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±3.5°C	2/7
705660	306°C	12.1" x 14.5" x 13.7"	22.7" x 31.5" x 23.5"	±2.3°C	2/6
705661	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±1.8°C	2/7
705662	306°C	21" x 20.7" x 19.4"	31.5" x 38.8" x 28.1"	±1.8°C	2/9

*At 150°C

†Included/max number

C&M PART #	MFG PART #	DESCRIPTION	SIZE (cu ft)	POWER (VAC, Hz)
705659	SLG322	Gravity Convection Oven	3.0	115, 50/60
705660	SMO1	Forced Air Oven	1.5	115, 50/60
705661	SMO3	Forced Air Oven	3.0	115, 50/60
705662	SMO5	Forced Air Oven	5.0	115, 50/60

Stainless Steel Crucible Tongs



These 9" long stainless-steel tongs have a riveted joint and a serrated tip for handling dishes and crucibles from drying ovens.

C&M PART #	MFG PART #	DESCRIPTION
706756	CTSS09	Stainless Steel Crucible Tongs with Serrated Tip, 9 in. Long

Polyester/Cotton Lab Coats

Knee-length lab coats are made of easy-care white cotton blend fabric (65% polyester, 35% cotton). Coats feature one upper left breast pocket, two roomy lower pockets, side slits for easy access to pants' pockets and a sewn-down back belt.

C&M PART #	MFG PART #	BASIC SIZE
706501	LCMS01	Small
706500	LCMM01	Medium
706499	LCML01	Large
706498	LCMXL1	X-Large
706497	LCMXXL1	2X-Large
706502	LCM3XL1	3XLarge



VEE GEE SIBATA Volumetric Glass Pipets



The SIBATA reusable and autoclavable volumetric glass pipets are meticulously manufactured for excellent tolerances and accuracy. Pipets feature sharp, permanent graduation lines and are calibrated "to deliver". Permanent amber markings indicating size and color-coding aid in sorting and selecting the pipet. Pipets meet ASTM E-969 Class A Specifications and USP Standards for volumetric glassware.

C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	COLOR CODE	QUANTITY
704345	2040A-05	0.5	±0.005	2-Black	12
704346	2040A-1	1	±0.006	Blue	12
704351	2040A-2	2	±0.006	Orange	12
704354	2040A-3	3	±0.01	Black	12
704355	2040A-4	4	±0.01	2-Red	12
704356	2040A-5	5	±0.01	White	12
704358	2040A-6	6	±0.01	2-Orange	12
704359	2040A-7	7	±0.01	2-Green	12
704360	2040A-8	8	±0.02	Blue	12
704347	2040A-10	10	±0.02	Red	12
704349	2040A-13	13	±0.03	White	6
704350	2040A-15	15	±0.03	Green	6
704352	2040A-20	20	±0.03	Yellow	6
704353	2040A-25	25	±0.03	Blue	6
704357	2040A-50	50	±0.05	Red	6
704348	2040A-100	100	±0.08	Yellow	6

KIMBLE® KIMAX® Serialized and Certified Volumetric Pipets

KIMAX Volumetric Pipets are ideal for measuring accurate volumes of liquids. Letters "TD" on the pipet indicate that the pipets are calibrated "to deliver"; large numerals on the bulb indicate capacity. Color-coding (ASTM E1273) makes it easy to sort and select the correct pipet. Each pipet is supplied with a Certificate of Calibration tied to the serial number printed on the glass. Designed from ASTM Specification E969, Class A requirements and manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements. Autoclavable.



C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	COLOR CODE	LENGTH (mm)	QUANTITY
706818	37006-510	0.5	±0.006	2-Black	310	6
706806	37006-1	1	±0.006	Blue	310	6
706810	37006-2	2	±0.006	Orange	335	6
706813	37006-3	3	±0.01	Black	350	6
706815	37006-4	4	±0.01	2-Red	350	6
706816	37006-5	5	±0.01	White	365	6
706807	37006-10	10	±0.02	Red	400	6
706809	37006-15	15	±0.03	Green	455	3
706811	37006-20	20	±0.03	Yellow	505	3
706812	37006-25	25	±0.03	Blue	505	3
706814	37006-30	30	±0.03	Black	525	3
706817	37006-50	50	±0.05	Red	545	3
706808	37006-100	100	±0.08	Yellow	550	3

Vee Gee SIBATA Mohr and Serological Pipets



Mohr



Serological

Mohr Measuring Pipets are graduated to the baseline above the tip, calibrated “to deliver” and should be drained out. Pipets meet ASTM E-1293 Style 1, Class A Specifications and USP Standards for volumetric glassware. Top end of pipets is constricted.

Serological Pipets are graduated to the tip, calibrated “to deliver” and needs to be blown out. Pipets meet ASTM E-1044 Style 1, Class A Specifications. Top end of 5 to 25 mL pipets is constricted.



C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATIONS (mL)	TOLERANCE (mL)	COLOR CODE
MOHR MEASURING PIPETS					
704323	2010A-5	5	0.1	± 0.02	Blue
704321	2010A-10	10	0.1	± 0.03	Orange
704322	2010A-25	25	0.1	± 0.05	White
SEROLOGICAL PIPETS					
704324	2011A-01-C	0.1	0.01	± 0.0025	White
704326	2011A-1-C	1	0.01	± 0.01	Yellow
704328	2011A-2-D	2	0.1	± 0.01	Green
704329	2011A-5	5	0.1	± 0.02	Blue
704325	2011A-10	10	0.1	± 0.03	Orange
704327	2011A-25	25	0.1	± 0.05	White

KIMBLE® KIMAX® Glass Serological Pipets



These serological pipets have been tooled to accept cotton plugging. Pipets are designed from ASTM Specification E1044, Style II requirements and manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements.



C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATIONS (mL)	TOLERANCE (mL)	COLOR CODE	QUANTITY
706700	37034A-210	0.2	0.01	±0.008	Black	6
706704	37034A-1110	1	0.1	±0.02	Red	12
706705	37034A-11100	1	0.01	±0.02	Yellow	12
706702	37034A-2110	2	0.1	±0.02	Green	6
706701	37034A-5	5	0.1	±0.04	Blue	12
706703	37034A-10	10	0.1	±0.06	Orange	12

KIMBLE® KIMAX® Wide-Tip Glass Serological Pipet



Wide-tip pipets are ideal for viscous liquids or for delivering fluids. Reusable pipets are calibrated to the tip and feature constricted top to accept cotton plugging. The 2 mL size has a tip opening slightly smaller than the bore of the graduated portion, while the larger sizes have openings of approximately 3 mm. Pipets are designed from ASTM Specification E1044, Style III requirements and manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements.

C&M PART #	MFG PART #	CAPACITY (mL)	TOLERANCE (mL)	COLOR CODE	LENGTH (mm)	QUANTITY
706749	37034B-2	2	±0.05	Green	350	12
706748	37034B-5	5	±0.10	Blue	350	12
706747	37034B-10	10	±0.10	Orange	350	12
706750	37034B-25	25	±0.20	White	400	6

KIMBLE® Sterile Disposable Glass Serological Pipet



Use sterile disposable pipets to eliminate cross contamination. Each pipet is supplied plugged and individually wrapped in color-coded paper/plastic within convenient dispensing shelf packs for laboratory benches. Calibrated “to deliver,” any residual liquid in the pipet should be blown out and added to the main volume delivered. Pipets are manufactured from 51 expansion borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class B requirements and designed from ASTM Specifications E714.

C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATIONS (mL)	TOLERANCE (mL)	COLOR CODE
706592	72105-11100	1	0.01	±0.03	Yellow
706591	72105-21100	2	0.01	±0.06	White
706589	72105-5110	5	0.1	±0.15	Blue
706590	72105-10110	10	0.1	±0.30	Orange

Wheaton® Sterile Disposable Plastic Serological Pipet

Sterile disposable plastic pipets come individually wrapped in paper/plastic peel



packaging. Sterile, nonpyrogenic and DNase/RNase-free pipets are calibrated “to deliver” to the tip and are excellent for general laboratory work. They have a uniform pulled tip and are supplied plugged, and ready for use. Bidirectional graduations in ascending and descending scale, with negative graduations, provide extra capacity.



C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATION (mL)	TOLERANCE (mL)
706732	56900-11100	1	0.01	±0.02
706735	56900-21100	2	0.01	±0.04
706737	56900-5110	5	0.1	±0.10
706733	56900-10110	10	0.1	±0.20
706736	56900-25210	25	0.2	±0.50
706734	56900-50510	50	0.5	±0.75

Disposable Plastic Transfer Pipettes



These one-piece, unbreakable polyethylene pipettes are well-suited for sample transfer and manipulation during routine lab procedures and analysis. Pipets come in handy dispenser box.

C&M PART #	MFG PART #	CAPACITY (mL)	GRADUATIONS (mL)	QUANTITY
705222	HS206371A	1	0.25	500
705225	HS206372A	2	0.5	500
705228	HS206373A	3	0.5	500

Becton Dickinson BD™ General Use Syringes

These disposable polypropylene syringes can be used with syringe filters using the BD Luer-Lok™ connection. Syringes are sterile and clear.



C&M PART #	MFG PART #	CAPACITY (mL)	QUANTITY
706226	309628	1	100
706228	309657	3	200
706230	309646	5	125
706227	302995	10	200
706229	302832	30	56
706231	309653	50	40

Bel-Art Pipet Pump™ Pipettors



Pipet pump pipettors provide simple, one-handed safe, accurate and trouble-free pipetting. Pipettes fit smoothly into its flexible tapered chuck and are resistant to acids and alkalis. Rotate thumbwheel aspirate or dispense precise amounts. Simply press the plunger for quick emptying. Disassemble for cleaning and before autoclaving at 121°C (250°F) for 20 minutes. Do not autoclave chuck.

C&M PART #	MFG PART #	PIPET UP TO (mL)	COLOR
700374	37897-0000	2	Blue
700375	37898-0000	10	Green
700376	37899-0000	25	Red

SP Bel-Art Safety Pipet Fillers

Unique cone adapter allows universal pipet filling. Simply squeeze rubber bulb to charge for filling, place pipet into cone adapter and insert into sample. Release the bulb to fill. Remove bulb and cover pipet end with finger to dispense. Easy and safe. Autoclavable.



C&M PART #	MFG PART #	DESCRIPTION
700373	37888-0000	Safety Bulb Pipet Filler

Manual Pipet Controllers

The Manual Pipette Controller provides precise fluid control at your fingertips. Comfortable to hold and easy to use, the manual inline pipette controller was designed with an ergonomic grip and bulb for simple and precise operation. A T-bar thumb lever controls the aspirating and dispensing speeds from serological pipettes from 1 to 100 mL in size.



C&M PART #	MFG PART #	DESCRIPTION
704942	120479	Manual Pipette Controller, Blue

Bel-Art Cleanware™ Pipette Rinsing System

The Cleanware Pipette Rinsing System offers a safe, effective and reliable way to clean and store pipettes. Available as a complete system (jar, basket, and rinser) or as individual components.

Pipette Jars are leak-proof and withstand all common cleaning solutions at room temperature, including sulfuric acid/dichromate. Easily store and soak pipettes in the polyethylene pipette jars.

Pipette Baskets, filled with pipettes, fit into the corresponding size jar. Convenient cut-out hand grips offer easy handling. Gusher holes provide quick drainage when lifted from a soaking jar. Foam disk on the bottom cushions pipette tips to prevent breakage.

Pipette Rinsers provide a simple, automatic method for rinsing large numbers of pipettes at one time.

After the pipettes are cleaned remove the pipette basket from the pipette jar then place into the pipette rinser. Connect to water source, turn the water on and adjust the water flow until the water drains through the outer tube and into the drain. Rinse will be complete in about 15 minutes.

INCLUDES

30.5 cm (12") long piece of 2.5 cm (1") I.D. drain tube and 1.5-m (5-ft) of 12.5 mm (1/2") I.D. flexible water inlet tube.



SP Bel-Art

C&M PART #	MFG PART #	DESCRIPTION
CLEANWARE PIPETTE RINSING SYSTEM 18"		
707500	H17121-0000	Complete Pipette Rinsing System, For Pipettes Up to 18"
705852	F17130-0018	Pipette Jar, 6" Dia x 18"H
705850	H17106-0000	Pipette Basket, 4" Dia x 23"H
705854	F17131-0018	Pipette Rinser, 9-15/16" Dia x 25-1/4"H
CLEANWARE PIPETTE RINSING SYSTEM 24"		
707501	H17122-0000	Complete Pipette Rinsing System, For Pipettes Up to 24"
705853	F17130-0024	Pipette Jar, 6" Dia x 24"H
705851	H17107-0000	Pipette Basket, 4" Dia x 32"H
705855	F17131-0024	Pipette Rinser, 9-15/16" Dia x 31-1/4"H

Bel-Art Glass Disposal Boxes

Safely dispose broken glass using glass disposal boxes. Sturdy corrugated cardboard receptacle comes with a 2-mil thick, clear polyethylene bag to help contain broken glass fragments and spilled liquids. When the box is full, lift the flap opening to a closed position and the entire unit is ready for disposal.



SP Bel-Art

Parafilm® M Sealing Film

The Parafilm® M Sealing Film is a colorless, moisture-proof film that molds to the surface. It is a semi-transparent, flexible, thermoplastic film with two-way stretch. It is resistant up to 48 hours against many polar substances and prevents moisture and volume loss due to the material composition and tight seal. The sealing film stretches more than 200% of its original length, allowing it to cling to around irregular shapes and surfaces. Translucent natural color.



C&M PART #	MFG PART #	DESCRIPTION
705279	HS234526A	50 mm W x 75 m L
705280	HS234526B	100 mm W x 38 m L
705281	HS234526C	100 mm W x 75 m L

Hach TenSette® Single-Channel Pipettors



Perform routine laboratory pipetting quickly, economically, and accurately with Hach's automatic TenSette Pipet. The pipet saves time, reduces glassware cleanup and ensures accuracy. Set includes one pipet, a manual and 50 disposable tips.



PIPETTORS

C&M PART #	MFG PART #	RANGE (mL)	DESCRIPTION	INCREMENTS (mL)
701083	1970001	0.1 to 1.0	Pipettor with 100 Tips	0.1
701085	1970010	1.0 to 10.0	Pipettor with 50 Tips	1.0

TIPS

C&M PART #	MFG PART #	RANGE (mL)	STERILE	QUANTITY
701281	2185628	0.1 to 1.0	No	1000
701282	2185696	0.1 to 1.0	No	50
701298	2199725	1.0 to 10.0	No	250
701299	2199796	1.0 to 10.0	No	50
701688	2558996	1.0 to 10.0	Yes	50

FEATURES & BENEFITS

- Eye-catching graphics in four languages (English, German, French, Spanish)
- Packaged flat to save space and shipping costs; quickly assembled

C&M PART #	MFG PART #	DESCRIPTION
700298	24653-0001	Cardboard Disposal Cartons for Glass, 12" x 12" x 27", Floor Model (Pack of 6)
700299	24653-0002	Cardboard Disposal Cartons for Glass, 8" x 8" x 10", Benchtop Model (Pack of 6)

Hach Variable-Volume Pipettors

Easily and accurately dispense fluids with Hach's variable-volume single-channel pipettors. Ergonomic design provides single-handed operation. Pipettors are ideal for use with Hach TNTplus reagents. Pipette tips sold separately.



INCLUDES

Pipettor, maintenance tool, calibration certificate and basic manual.

PIPETTORS

C&M PART #	MFG PART #	RANGE (mL)	INCREMENTS (µL)
703282	BBP078	0.2 to 1.0	5
703280	BBP065	1.0 to 5.0	50

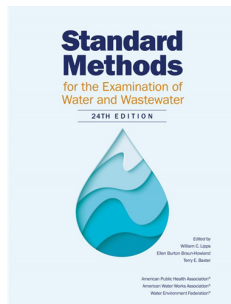


TIPS

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
703283	BBP079	Tips for 1.0-mL Pipettor	100
703281	BBP068	Tips for 5.0-mL Pipettor	75

Standard Methods: Examination of Water and Wastewater

The new Standard Methods for the Examination of Water and Wastewater, 24th edition, is your guide for the most up-to-date water and wastewater analysis methods. This comprehensive resource contains step-by-step instructions for measuring the biological, chemical, and physical attributes of waters, and offers guidance for choosing among available methods for specific elements and compounds.



FEATURES

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 Naegleria fowleri; 4500-H₂O₂ Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

C&M PART #	MFG PART #	DESCRIPTION
706037	StandardMethods-24	Standard Methods: Examination of Water and Wastewater, 24th Ed.

Pearl® Pipettors



[707505](#) [704834](#) [704837](#) [704839](#) [704842](#)

These single to channel pipettors offer adjustable volume and precision liquid handling. The sleek, ergonomic design and reduced plunger pressure help reduce the chance of Repetitive Stress Injury (RSI), as the pipettor requires 2/3 the operation pressure of most standard pipettes. Easy volume adjustment with locking tab prevents accidental change. Each unit is color to coded and labeled with volume range for quick visual confirmation. Pipettor is tested in accordance with standards and a calibration certificate is supplied. Manufactured in accordance with ISO08655 and GLP regulations.

C&M PART #	MFG PART #	RANGE (µL)	COLOR CODE
704834	120097	0.1 to 2	White/Green
704835	120098	0.5 to 10	White/Light Blue
704836	120099	2 to 20	White/Light Purple
704837	120100	5 to 50	White/Orange
704838	120101	10 to 100	White/Blue
704839	120102	20 to 200	White/Yellow
704840	120103	30 to 300	White/Purple
704841	120104	100 to 1000	White/Blue
704842	120105	500 to 5000	White/Pink
704843	120106	1000 to 10,000	White/Red

PIPETTE TIPS

C&M PART #	MFG PART #	VOLUME RANGE (µL)	PACKAGING TYPE	QUANTITY
707502	0030076125	0.1 to 10	Box	96
707503	0030076133	0.1 to 20	Box	96
707504	0030076150	2 to 200	Box	96
707505	0030076176	50 to 1000	Box	96
707506	0030076184	50 to 1250	Box	96
707507	022492080	100 to 5000	Bulk	500
707508	022492098	500 to 10,000	Bulk	200

Scilogex SCI-Spense Bottletop Dispensers

Use these chemical-resistant bottletop dispensers to dispense bases safely and accurately, acids and some organic solvents. Dispensers are fully autoclavable at 121°C (250°F), allowing thorough sterilization. Volume adjustment can be done quickly and precisely. Anti-drip cap prevents accidental discharge. Easily clean using an included specialized tool.

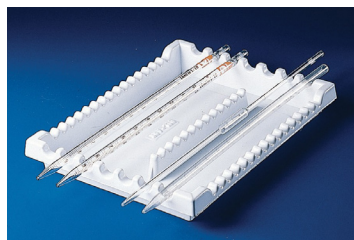


INCLUDES

Five adapters to fit reagent bottles. 1-year warranty.

C&M PART #	MFG PART #	VOLUME (mL)	GRADUATION (mL)	ACCURACY (±%)	PRECISION (±%)
707509	731100019999	0.5 to 5	0.1	≤±0.5%	≤±0.2%
707510	731100029999	1 to 10	0.2	≤±0.5%	≤±0.2%
707511	731100039999	2.5 to 25	0.5	≤±0.5%	≤±0.2%
707512	731100049999	5 to 50	1.0	≤±0.5%	≤±0.2%

Bel-Art Pipette Racks



[700288](#)



[700289](#)

Use the styrene **Pipette Tray Rack** in drawers or on the benchtop for storing pipettes; also, can be used for soaking pipettes before cleaning.

Sturdy polypropylene **Pipette Support Rack** holds 50 pipettes in a vertical 5 x 10 arrangement. Top and middle decks have 16 mm diameter holes; bottom deck holes are tapered from 16 to 6 mm diameter.

C&M PART #	MFG PART #	DESCRIPTION
700288	18940-0000	Pipette Tray Rack
700289	18953-0000	Pipette Support Rack

Multipurpose Trays

These large capacity, rugged polypropylene plastic trays have multiple uses around the laboratory. Substantial depth and 8.5-liter (9 quart) volume hold a large quantity of samples in a water bath or on ice. Trays are steam autoclavable at 121°C (250°F)—use trays to hold smaller instruments while autoclaving. Rounded inside corners make cleaning easy while top rim adds rigidity. Trays nest with identical trays to minimize storage space requirements.



C&M PART #	MFG PART #	DESCRIPTION
700254	16200-0010	Tray, 12" x 9-3/4" x 4-1/2"
700255	16200-0011	Tray with Handles, 12-3/4" x 10-1/2" x 4-1/4"

Utility Carriers



[700261](#)



[704816](#)



[705282](#)



SP Bel-Art Bottle/Utility Carrier is made of 1/4" thick high-density polyethylene. Measures 36 x 18 x 15 cm H (14" x 7" x 6"H) with a 25.4 mm (1") diameter handle.

DuraPorter® Translucent Transport Box is a durable, waterproof, leak-proof container that is easy to load. Translucent yellow box provides needed visibility for content identification and protection during sample transport. Silicone water-tight seal and three lid clasps provide secure closure. Convenient carrying handle makes it easy to transport.

Tubby® Storage Container is stackable and is designed to help organize a laboratory. The removable dividers can create as big or as small a compartment as needed. It is perfect for keeping tubes, tips, pipettes, gloves and other small items organized and out of the way. Lid snaps in place to secure contents for transport. Tub measures 13"L x 7.9"W x 4.5"H.

C&M PART #	MFG PART #	DESCRIPTION
700261	16963-0000	SP Bel-Art Bottle/Utility Carrier
704816	120052	DuraPorter Sample Transport Container
705282	HS23453	Tubby Storage Tub

Tube Racks

The 4-Way Tube Rack links together to meet your application needs. Use it by itself or link them together to create as large a rack as you require for your applications. Racks are constructed of polypropylene and autoclavable. Alphanumeric identification for quick location and retrieval of tubes.

Each rack measures: 6.9 x 3.7 x 2.1 in (17.4 x 9.5 x 5.2 cm). Connect end to end or side to side.

Tube configuration: 4 x 50 mL tubes (30 mm well dia), 12 x 15 mL tubes (17.5 mm well dia), 32 x 0.5 mL tubes (8.2 mm well dia), or 32 x 1.5/2.0 mL tubes (11.6 mm well dia).



C&M PART #	MFG PART #	COLOR	QUANTITY
705413	HS29022A	Natural	5
705414	HS29022B	Blue	5
705415	HS29022C	Green	5
705416	HS29022D	Pink	5
705417	HS29022E	Yellow	5
705418	HS29022F	Orange	5

Bel-Art Poxygrid Tube Racks

Chemical- and corrosion-resistant steel wire racks are coated with heat-cured epoxy. Durable blue epoxy coatings are unaffected by organic solvents, salts, weak acids and weak alkalis. Racks withstand a temperature range of -223 to 121°C (-369 to 250°F) and are autoclavable. All racks have square holes, three decks, a slotted grid bottom and reinforced edges.



C&M PART #	MFG PART #	TUBE SIZE ACCEPTED	PLACES	ARRAY
700281	18754-0001	13 to 16 mm	40	4 x 10
700282	18757-0001	13 to 16 mm	72	6 x 12
700283	18762-0001	16 to 20 mm	40	4 x 10
700284	18772-0001	20 to 25 mm	40	4 x 10

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700239	13446-0000	Wire Rack ID Tags, 3-1/2" x 1-1/2" x 1/8"	6

Thermo Scientific™ Refrigerator/Freezers

Economically and safely chill and freeze samples with the Thermo Scientific TSV Value Refrigerator/Freezer. Each unit is factory tested prior to shipment, NRTL listed and has environmentally friendly, SNAP-compliant hydrocarbon refrigerants. ABS plastic interior and durable enameled steel exterior is easy to clean.



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SPECIFICATIONS

C&M PART #	706258	706257
Dimensions (W x H x D)	Overall: 23.63" x 33.5" x 23.5" Refrigerator: 20.5" x 19.5" x 17" Freezer: 19" x 5" x 11.5"	Overall: 30.13" x 66.63" x 30" Refrigerator: 26" x 39.75" x 24.75" Freezer: 26" x 15.5" x 21"
Temperature Range	Refrigerator: 1 to 12°C (33.8 to 53°F) Freezer: -12 to -20°C (10.4 to -4°F)	
Power	115 VAC, 60 Hz	

C&M PART #	MFG PART #	TYPE	CAPACITY	NO. OF DOORS	DEFROST
706258	TSV05CPSA	Undercounter	5.1 cu ft	One	Manual
706257	TSV18CPSA	Free Standing	18.0 cu ft	Two	Automatic

Thermo Scientific™ Refrigerators

Thermo Scientific TSV Value refrigerators offer economical and simple way to store samples. Each unit is factory tested prior to shipment, NRTL listed and has environmentally friendly, SNAP-compliant hydrocarbon refrigerants and foam. ABS plastic interior and durable enameled steel exterior is easy to clean. The free-standing model offers the added flexibility to easily convert from refrigerator to freezer with the push of a button.



ThermoFisher
SCIENTIFIC

SPECIFICATIONS

C&M PART #	706256	706713
Dimensions (W x H x D)	Overall: 23.63" x 33.5" x 23.5" Interior: 20" x 27.75" x 17.75"	Overall: 33" x 73.17" x 32.13" Interior: 27.8" x 57.8" x 23.8"
Temperature Range	1 to 12°C (33.8 to 53°F)	
Power	115 VAC, 60 Hz	

C&M PART #	MFG PART #	TYPE	CAPACITY	DEFROST
706256	TSV05RPSA	Undercounter	5.5 cu ft	N/A
706713	TSV20RPSA	Free Standing	21 cu ft	Automatic

Thermo Scientific™ Glass-Door Refrigerators

Thermo Scientific TSG Series glass-door laboratory refrigerators are designed with your needs in mind. The TSG Series is ideal for the demanding requirements of daily use in drinking water, wastewater, and industrial laboratories storing noncritical products such as reagents, media, and other samples requiring a 2 to 10°C controlled environment.

Easily view the contents of the refrigerator before you open the door—glass door helps keep the door opening to a minimum. Double-pane glass, door ajar alarm and power failure alarm help maintain correct interior temperature. Keyed door lock ensures secure storage. Whisper-quiet operation and Energy-Star certification make these refrigerators ideal for any laboratory.



ThermoFisher
SCIENTIFIC

SPECIFICATIONS

C&M PART #	706727	706728
Dimensions (W x H x D)	Overall: 24.75" x 75.82" x 25" Interior: 21" x 45.75" x 20.75"	Overall: 27.75" x 81" x 32" Interior: 24" x 61.75" x 28.5"
Temperature Range	2 to 10°C (35.6 to 50°F)	
Power	115 VAC, 60 Hz	

C&M PART #	MFG PART #	CAPACITY
706727	TSG12RPGA	12 cu ft
706728	TSG25RPGA	23 cu ft

Hach TOC X5 Shaker

The TOC X5 Shaker is required for the TNT810 and TNT811 TOC TNTplus® tests. It purges the total inorganic carbon in the TNTplus vial so there is no extra lab glassware to clean. Use the shaker to prepare eight samples in parallel in only 5 minutes, shortening the time spent on your analysis.



C&M PART #	MFG PART #	DESCRIPTION
703610	LQV148.99.00002	TOC X5 Shaker, 100 to 240 VAC, 50/60 Hz
700132	TNT810	TOC TNTplus Reagents, 1.5 to 30.0 mg/L, 25 Tests
700133	TNT811	TOC TNTplus Reagents, 30 to 300 mg/L, 25 Tests

Vortexer Mixer

One mixing head does it all! Use this sleek, modern and compact vortex mixer to mix various sizes of centrifuge tubes, test tubes, and assay plate. The control switch comes with three operation selections (intermittent, off, continuous). Control speed from "off" up to 3000 rpm using the infinite position rotary speed control dial. Easy-to-clean ABS material offers durability. Stable elastomer feet stabilize the unit and dampen vibration. Innovative head can be removed for cleaning purposes. US Design Patent No. D787,085, US Utility Patent No. 9895670. 5-Year Warranty.



C&M PART #	MFG PART #	ORBIT	CAPACITY	SPEED RANGE
704878	120209	3.7 mm	135 g	1000 to 3000 rpm

ANSELL MICROFLEX GLOVES

Choose from our selection of over twenty different varieties of vinyl and nitrile Microflex gloves for the lab and plant.

For details and order information, see **pages 102-108.**

MICROFLEX



BioClave™ Benchtop Autoclaves

These autoclaves with large stainless-steel chambers accommodate a variety of liquids, media, instruments, glassware, plasticware and other common research laboratory items. Autoclaves include a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has reached zero psi. With a large digital display and fully automatic operation, all segments of the cycle (fill, sterilize, exhaust and dry) commence and run to completion by simply pressing the start button. An optional thermal mini-printer is also available for providing a record of sterilization parameters; use the USB port to record and transfer settings to a PC.

BioClave Mini Autoclave: The economical 8-L BioClave Mini is the ideal choice wherever benchtop sterilization is required, and space is limited. It is preprogrammed to meet basic sterilization needs. Temperature can be selected at either 121 or 134°C, and the sterilization time is fully adjustable.

BioClave 18 Autoclave: The BioClave 18 offers preset cycle options (standard programs) for use with liquids, wrapped research instruments or unwrapped instruments/plasticware. An additional option “Dry Only” is also available for additional drying time to be added to the end of a cycle. All settings on the BioClave 18 are fully adjustable for special applications requiring variations in cycle parameters.

BioClave 28 Autoclave: With the larger internal chamber, the BioClave 28 is capable of sterilizing 1- and 2-liter flasks (and bottles). Despite the increased chamber size, the unit is still relatively compact, suitable for benchtop use.



SPECIFICATIONS

	BIOCLAVE MINI (8L)	BIOCLAVE 18	BIOCLAVE 28
Dimensions	Overall: 20"W x 12.9"H x 13.5"D Chamber: 6.7" Dia. x 12.5"D	Overall: 22"W x 15.7"H x 17.5"D Chamber: 9.8" Dia. x 13.77"D	Overall: 25"W x 22"H x 25"H Chamber: 12.6" Dia. x 16.4"D
Tray Size	5.11"W x 10.43"D	7.5"W x 11.2"D	—
Reservoir Capacity	2.5 L	2.5 L	8.0 L
Max Temperature	134°C (273.2°F)	134°C (273.2°F)	134°C (273.2°F)
Power	120 VAC	120 VAC	200 to 240 VAC
Shipping Weight	80 lbs.	89 lbs.	209 lbs.

C&M PART #	MFG PART #	DESCRIPTION
706360	B4000-M	BioClave Mini Benchtop Autoclave, 8 L
706878	B4000-18	BioClave 18 Benchtop Autoclave, 18 L
706361	B4000-28-220	BioClave 28 Benchtop Autoclave, 28 L

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706220	B4000-P	Thermal Mini Printer for BioClave Series Autoclaves
706221	B4000-PA	Thermal Paper Roll for Thermal Printer

Multipurpose Trays

These large capacity, rugged polypropylene plastic trays have multiple uses around the laboratory. Substantial depth and 8.5-liter (9 quart) volume hold a large quantity of samples in a water bath or on ice. Trays are steam autoclavable at 121°C (250°F)—use trays to hold smaller instruments while autoclaving. Rounded inside corners make cleaning easy while top rim adds rigidity. Trays nest with identical trays to minimize storage space requirements.



C&M PART #	MFG PART #	DESCRIPTION
700254	16200-0010	Tray, 12" x 9-3/4" x 4-1/2"
700255	16200-0011	Tray with Handles, 12-3/4" x 10-1/2" x 4-1/4"

Odo-Clave Deodorizers

Neutralize autoclave odors with these heat-released deodorizers. Simply open foil pouch and place deodorizer in autoclave bag prior to autoclaving. Each deodorizer measures only 1-1/4" x 1-1/4". Deodorizers have a three-year life span; will last longer if stored in a sealed container.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700232	13198-0000	Clove Scent	100
700233	13198-0003	Lemon Scent	100

Bel-Art Maximum Registering Autoclavable Bimetal Thermometer



This durable bimetal thermometer features a maximum registering pointer that indicates the highest temperature reached by the thermometer. The maximum registering pointer (red) that is moved up by the temperature measuring pointer (black) and remains there until manually reset. Screw directly in-line using the 1/4" NPT threaded connection; place on a flat surface using the included stand.

FEATURES & BENEFITS

- Waterproof and pressurized to withstand autoclave cycles.
- Removable protective silicone sleeve prevents moisture from contacting the dial.
- Durable 304 stainless steel construction with a glass lens withstands pressure, high temperatures and rust.

INCLUDES

Thermometer, stand and statement of accuracy.

SPECIFICATIONS

RANGE	DIVISIONS	ACCURACY	DIMENSIONS	CONNECTION
-20 to 150°C (0 to 300°F)	2°C (5°F)	±2°C	81 mm Dial x 50 mm Stem	1/4" NPT(M)

CERTIFICATIONS

- NIST

C&M PART #	MFG PART #	DESCRIPTION
707382	B61315-0000	Maximum Registering Autoclavable Bimetal Thermometer

Bel-Art Clavies® Clear Autoclave Bags

These transparent autoclave bags are made of 0.05 mm (2 mil) thick polypropylene for discarding used Petri dishes, membrane filters, multi-well cell culture plates, cell culture flasks, culture plates, pipettes, and other laboratory supplies. Bags are steam autoclavable at 135°C (275°F)



Bel-Art Autoclavable Benchtop Biohazard Bags

Protect against dangerous tears and leaks with extra strong biohazard disposal bags. Bags printed with standard biohazard warning symbol and precautionary procedures in four languages: English, French, German and Spanish for added safety. Bags pass ASTM 1709 Dart Impact and ASTM 1922 Tear Resistance Tests. Sterilization indicator patch on the bag darkens when exposed to steam sterilization for 20 minutes. 0.43 gallon bags are made of high molecular weight high-density polyethylene; all other sizes are made of polypropylene.



C&M PART #	MFG PART #	SIZE (W x H)	CAP. (gal.)	THICK (mil.)	MAX TEMP.	COLOR	QUANTITY
700226	13166-0000	8-1/2" x 11"	0.43	0.72	121°C (250°F)	Red	100
700225	13165-1923	12" x 24"	1 to 3	2.0	135°C (275°F)	Red	100
700221	13160-0009	14" x 19"	2 to 4	1.5	135°C (275°F)	Clear	200
700223	13164-1923	14" x 19"	2 to 4	1.5	135°C (275°F)	Red	200
700222	13164-1419	19" x 23"	5 to 9	1.5	135°C (275°F)	Red	200
700224	13165-1419	19" x 23"	5 to 9	2.0	135°C (275°F)	Red	200

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700231	13193-1000	Wire Frame Biohazard Bag Holder Kit for 8-1/2" x 11" Bags
700230	13187-0000	Poxygrid Epoxy-Coated Steel Bag Holder for 12" x 24" Bags

C&M PART #	MFG PART #	SIZE (W X H)	QUANTITY
700227	13182-0810	8" x 10"	100
700228	13182-0815	8" x 15"	100
700229	13185-1224	12" x 24"	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700230	13187-0000	Epoxy-Coated Steel Bag Holder for 12" x 24" Bags

Autoclave Indicator Tape

Tape has stripes that appear after fifteen minutes of exposure in a steam autoclave set for 250°F. The advanced adhesive ensures easy application, strong adhesion, and clean removal from the autoclaved items.



C&M PART #	MFG PART #	DESCRIPTION
706880	MYD AT-2002	Autoclave Indicator Tape, 3/4 in x 180 ft

Bel-Art Autoclave Gloves

Soft, pliant, all-cotton terry cloth gloves are superb for handling hot objects out of the autoclave or oven. These gloves provide the protection you need while replacing hazardous asbestos gloves. Gloves are heat-resistant up to 232°C (450°F); bright orange color offers high visibility. Sold in pairs. Note: Gloves are not waterproof and should not be used to handle dry ice.



C&M PART #	MFG PART #	GAUNTLET LENGTH	OVERALL LENGTH
700236	13201-0000	5"	13"
700237	13201-0001	11"	18.5"

Bel-Art Hot Hand® Protector

Hot Hand® Mitt provides superior protection when handling hot or cold objects, including dry ice. Soft, compliant silicone rubber naturally conforms to hand and object and resists tearing. Mitt withstands temperatures as high as 260°C (500°F) and remains flexible at temperatures as low as -57°C (-70°F). Gripping surfaces have concave tipped studs for a nonslip grip. It is easier and faster to use than gloves or tongs for many applications. One size fits all hands, left or right.



C&M PART #	MFG PART #	DESCRIPTION
700384	38000-0000	Hot Hand® Protector, Red

Mini Stirrer

The Mini Stirrer is a powerful magnetic stirrer in a compact size. Easy-to-clean ABS and PC blend construction offer great chemical resistant. With a small footprint and low-profile design, the mini stirrer is perfect for labs where benchtop space is at a minimal. Quiet operation and low vibration help users stay focused by reducing noise in the lab.



INCLUDES

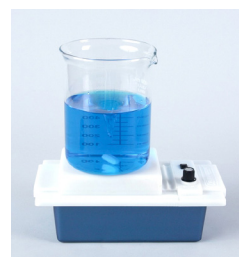
Mini stirrer, two stir bars (35 mm L x 9 mm Dia. and octagonal shape (HS120552)), power adapter with four interchangeable plugs.

SPECIFICATIONS

SPEED	TOP PLATE MATERIAL	POWER	CAPACITY
200 to 2200 rpm	ABS and Polycarbonate Blend	100 to 240V, 50/60Hz	Up to 3 Liters

C&M PART #	MFG PART #	DESCRIPTION
704856	120155	Mini Stirrer, Universal, Grey/Purple

Bel-Art Battery-Powered Stirrer



Use this battery-powered magnetic stirrer where electricity is not convenient or not available—perfect for field use. Stirrer mixes up to 1 L using a 1" (2.54 cm) L stir bar; control speed up to 900 rpm. Polypropylene construction offers excellent durability and chemical resistance. Two "D" batteries (not included) provide approximately 16 days of continuous operation.

INCLUDES

Stirrer and free Spinbar® octagon stirbar; 1" x 3/8" (25.4 x 9.5 mm).

C&M PART #	MFG PART #	DESCRIPTION	POWER	DIMENSIONS
700328	37017-0000	Magnetic Stirrer	2 x "D" Batteries (not included)	9-1/4" x 5-1/8" x 3-1/2"

Hach DRB 200 Digital Block Reactors



Use the DRB200™ Block Reactors for metals analysis, nutrients analysis, or culture biological sample digestions. They come preprogrammed to perform standard digestions, such as phosphorus, COD, and Nitrogen TNTplus vial tests. Single-key operation using Hach tests makes it simple to use.

Easily program and store up to three custom digestion methods to suit your application. Digestion temperature can be set between 37 and 165°C in 1°C steps and digestion time between 0 and 480 minutes. The illuminated digital display indicates remaining time/temperature and operator guidance.

Fully insulated reactor blocks ensure user safety. Transparent lid lets you view samples, while a lock deters premature checking of the reaction progress. Dual-block reactors come with two separate heating compartments with independent heat and temperature controls.

INCLUDES

Digital block reactor, power cord with US plug for 115V operation and operating manual. 1-year warranty.

C&M PART #	MFG PART #	VIALS ACCEPTED
DRB 200 SINGLE-BLOCK REACTORS		
703361	DRB200-01	9 x 13 mm, 2 x 20 mm
703620	LTV082.53.30001	9 x 16 mm, 2 x 20 mm
703621	LTV082.53.40001	15 x 16 mm
DRB 200 DUAL-BLOCK REACTORS		
703362	DRB200-02	21 x 13 mm, 4 x 20 mm
703363	DRB200-03	15 x 13 mm, 15 x 13 mm
703364	DRB200-04	12 x 13 mm, 8 x 20 mm
703622	LTV082.53.42001	21 x 16 mm, 4 x 20 mm
703623	LTV082.53.44001	30 x 16 mm

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
701979	2895805	Reducing Adapter, 16 mm to 13 mm Vials	5

Thermo Scientific™ Cimarec+™ Magnetic Stirrers, Hot Plates and Stirring Hot Plates

Thermo Scientific Cimarec+ stirrers, hot plates and stirring hot plates feature a white ceramic top plate for durability and ease of cleaning. Raised display design protects electronics from spills. View stirring speed and /or temperature on the easy-to-view LED display. All models have 3-year warranty.



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Magnetic Stirrers provide precise stirring control for your routine protocols. Various size top plates offer flexibility from microscale chemistries to production operations. Includes 1" or 2" TFE-coated stir bar (depending on size).

Hot Plates reach maximum temperature in under 8 minutes. A sleek, rugged design and construction reduces the chance of top plate breakage. Hot plate warning system protects from accidental burns with prominent display when heating surface is above 50°C (122°F).

Stirring Hot Plates combine performance and functions of the magnetic stirrer and hot plate into one. These stirring hotplates reach up to up to 1500 rpm and temperatures up to 540°C (1004°F). Includes 1" or 2" TFE-coated stir bar (depending on size).

SPECIFICATIONS

TOP PLATE SIZE	4-1/4" x 4-1/4"	7-1/4" x 7-1/4"	10-1/4" x 10-1/4"
MAX STIR LOAD (STIRRING MODELS)	1 L	4 L	6 L
OVERALL DIMENSIONS (W x H x D)	5" x 3.6" x 10"	8.2" x 3.8" x 13"	11.3" x 4" x 16.2"
TOP PLATE MATERIAL	White Ceramic		
POWER	100/120 VAC, 50/60 Hz		

C&M PART #	MFG PART #	DESCRIPTION	PLATE SIZE	SPEED (rpm)	TEMP. RANGE
706567	S88854100	Magnetic Stirrer	4-1/4" x 4-1/4"	50 to 1500	N/A
706569	S88857100	Magnetic Stirrer	7-1/4" x 7-1/4"	50 to 1500	N/A
706568	S88850100	Magnetic Stirrer	10-1/4" x 10-1/4"	50 to 1500	N/A
706566	HP88854100	Hot Plate	4-1/4" x 4-1/4"	N/A	30 to 540°C
706565	HP88857100	Hot Plate	7-1/4" x 7-1/4"	N/A	30 to 540°C
706709	SP88854100	Stirring Hot Plate	4-1/4" x 4-1/4"	50 to 1500	30 to 540°C
706710	SP88857100	Stirring Hot Plate	7-1/4" x 7-1/4"	50 to 1500	30 to 540°C

OHAUS Guardian 5000™ Stirrers & Hot Plates



Guardian 5000 Hotplates and Stirrers are designed for safety and simplicity in all research, academics and industrial applications. The design ensures proper mixing and temperature control of the top plate or your sample when using the optional temperature probe*.

Backlit display makes it easy to see temperature and/or speed readings. IP32-rated SmartHousing™ is chemical resistant; ceramic top is easy to clean. Green indicator light stays on when the unit is heating or stirring. Heating models include a single-point calibration feature for multiple setpoints. Hotplates stay cool to the touch plus an audible alarm and SafetyHeat™ protection that shuts off the heat in the event of a malfunction ensure user safety.

INCLUDES

Power cord. Stirrers also include 1.5" PTFE coated stirring bar.

SPECIFICATIONS

C&M PART #	706072	706073	706074	706075
Mfg Part #	30500520	30500530	30500540	30500550
Function	Heating/Stirring	Heating	Stirring	Heating/Stirring
Temperature	Ambient +5°C to 500°C		—	Ambient +5°C to 500°C
Speed Range	60 to 1,600 rpm	—	60 to 1,600 rpm	
Speed Stability	±2%	—	±2%	
Power	120V, 1.0A, 50/60Hz		120V, 11.2A, 50/60Hz	
Dimensions (LxHxW)	12.2 in x 4.8 in x 8.8 in		16.3 in x 4.8 in x 11.25 in	
Capacity	15 L		18 L	
Plate Size	7" x 7"		10" x 10"	
Plate Material	Ceramic			
Control	Digital			
Display	Custom Back-lit LCD			

CERTIFICATIONS

- TUV

C&M PART #	MFG PART #	DESCRIPTION
706072	30500520	Hotplate Stirrer, 7" x 7" Plate, 15 L Capacity
706073	30500530	Hotplate, 7" x 7" Plate, 15 L Capacity
706074	30500540	Stirrer, 7" x 7" Plate, 15 L Capacity
706075	30500550	Hotplate Stirrer, 10" x 10" Plate, 18 L Capacity

Bel-Art PTFE-Coated Magnetic Stirring Bars

Choose from a variety of magnetic stirring bars to suit your application. Each stirring bar is made of alnico magnet encapsulated in PTFE coating to offer excellent chemical resistance.



C&M PART #	MFG PART #	SIZE
SPINBAR® MICRO (FLEA) STIRRING BARS		
700345	37119-0003	3 mm x 3 mm
700346	37119-0007	7 mm x 2 mm
700347	37119-0008	8 mm x 1.5 mm
700349	37119-0083	8 mm x 3 mm
700350	37119-1083	8 mm x 3 mm, with Pivot Ring
700348	37119-0010	10 mm x 3 mm
SPINPLUS® CROSS-SHAPED STIRRING BARS		
700357	37144-0038	9.5 mm x 4.7 mm
700356	37144-0034	19.1 mm x 9.5 mm
700358	37144-0100	25.4 mm x 14.3 mm
700360	37144-0114	31.8 mm x 14.3 mm
700359	37144-0112	38.1 mm x 15.8 mm
SPINBAR® POLYGON-SHAPED STIRRING BARS		
700353	37120-7836	7/8" x 3/16"
700352	37120-0112	1-1/2" x 3/8"
700351	37120-0002	2" x 3/8"
SPINFIN® STIRRING BARS FOR TEST TUBES		
700354	37125-0014	7.9 mm x 9.5 mm
SPINBAR® EGG-SHAPED STIRRING BARS		
700355	37130-0034	19.1 mm x 9.5 mm (Elliptical)
SPINBAR® CELL STIRRING BARS FOR 10MM CUVETTES		
700361	37150-0000	9 mm x 8 mm; Cell (Cuvette)
SPINBAR® OCTAGON-SHAPED STIRRING BARS (PIVOT RING)		
700343	37110-1256	12.7 mm x 8 mm
700332	37110-0058	15.9 mm x 8 mm
700333	37110-0078	22.2 mm x 8 mm
700329	37110-0001	25.4 mm x 8 mm
700335	37110-0118	28.6 mm x 8 mm
700334	37110-0112	38.1 mm x 8 mm
700330	37110-0002	50.8 mm x 8 mm
700337	37110-0212	63.5 mm x 8 mm
700342	37110-1238	12.7 mm x 9.5 mm
700336	37110-0138	25.4 mm x 9.5 mm
700340	37110-1128	38.1 mm x 9.5 mm
700338	37110-0238	50.8 mm x 9.5 mm
700344	37110-2128	63.5 mm x 9.5 mm
700339	37110-1122	38.1 mm x 12.7 mm
700331	37110-0003	76.2 mm x 12.7 mm
SPINBOX® OCTAGON-SHAPED STIRRING BAR ASSORTMENT		
700362	37182-0000	Spinbox Magnetic Stirring Bar Assortment, 2 each: (1/2" x 5/16") (5/8" x 5/16") (1" x 3/8") (1-1/2" x 3/8") (2" x 3/8") (2-1/2" x 3/8")



[700345](#)



[700358](#)



[700352](#)



[700354](#)



[700355](#)



[700361](#)



[700362](#)

Bel Art Spinbar® Magnetic Stirring Bar Sink Strainer

Magnetic Stirring Bar Sink Strainer provides a simple solution to prevent your stirring bars from going down the sink drain. The strainer has four strong magnets that attract and hold stirring bars, along with four underside legs to prevent the strainer from being discharged by flowing liquid. A wide skirt allows it to be used in a variety of sink drains; long slits in skirt offer rapid draining. US Patent No.: 7,900,289 B2.



C&M PART #	MFG PART #	DESCRIPTION
700367	37787-0000	Spinbar Magnetic Stirring Bar Sink Strainer, Blue

Bel-Art Magnetic Stirring Bar Arrestor & Retrievers

The Magnetic Stirring Bar Arrestor holds your stirring bar in place when pouring from a beaker or flask. Place the arrestor against the bottom of the container to keep the stirring bar from coming out.



[700366](#)

Easily recover stirring bars from containers with Spinbar® Magnetic Retrievers. Polyethylene retriever measures 9.5 mm (3/8") in diameter and includes a powerful alnico magnet sealed in one end. Easily hang to store using the loop on the other end of the retriever.



[700364](#)



C&M PART #	MFG PART #	DESCRIPTION
700366	37786-0000	Magnetic Stirring Bar Arrestor, 2" (51 mm) Diameter
700364	37772-0000	Magnetic Stirring Bar Retriever, 12"L
700365	37773-0000	Magnetic Stirring Bar Retriever, 18"L

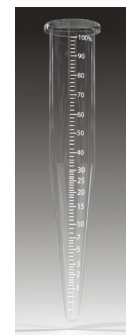
Kimtech Science® Kimwipes® Wipers

Quickly and easily wipe up liquids and dust using Kimwipes wipers. Light-duty wipers handle a variety of delicate tasks such as cleaning parts, instruments and laboratory lenses. Extra low-lint, 100% virgin wood fiber wipers are soft and nonabrasive—excellent for delicate surfaces. The antistatic dispenser reduces electrostatic discharge and dispenses wipers one at a time.



Raven Centrifuge Tubes

Raven Plastic Centrifuge Tubes have a conical-shaped bottom to allow very small amounts of solids compacted in the bottom to be measured. The tubes feature brightly marked, easy-to-read graduations from 0.2 to 100%. These durable polycarbonate tubes are impact resistant and manufactured by Raven to fit in the trunnion rings of the Raven F-10300 Process Centrifuge's rotor.



C&M PART #	MFG PART #	DESCRIPTION
700445	B-10101-19	Centrifuge Tubes, 11 mL, 19 mm diameter, Box of 12

Sterile Conical-Bottom Centrifuge Tubes with Closure

Sterile Conical-Bottom Centrifuge Tubes make centrifugation easy. All tubes have lot-to lot traceability with easy tear packaging. Writing area on the tube and flat polyethylene closure make sample identification quick and simple. Imprinted graduations are easy to read.



[705442](#)

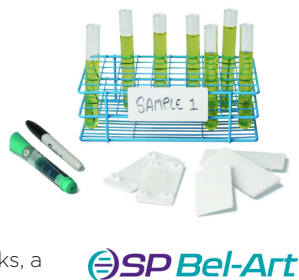
[705446](#)

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705442	HS4426B	Conical Bottom, 15 mL	500
705444	HS4427B	Conical Bottom, 50 mL	500
705446	HS4427S	Conical Bottom Inside with Free-Standing Rim, 50 mL	500

C&M PART #	MFG PART #	SIZE	WIPES/BOX
1-PLY WIPES			
108045	34155	4.4" x 8.4"	280
108044	34133	11.8" x 11.8"	196
108046	34256	14.7" x 16.6"	140
2-PLY WIPES			
108047	34705	11.8" x 11.8"	119
108048	34721	14.7" x 16.6"	90
3-PLY WIPES			
108049	34743	11.8" x 11.8"	119

Bel-Art Poxygrid Tube Racks

Chemical- and corrosion-resistant steel wire racks are coated with heat-cured epoxy. Durable blue epoxy coatings are unaffected by organic solvents, salts, weak acids and weak alkalis. Racks withstand a temperature range of -223 to 121°C (-369 to 250°F) and are autoclavable. All racks have square holes, three decks, a slotted grid bottom and reinforced edges.



Bel-Art

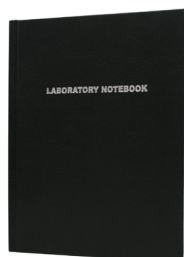
C&M PART #	MFG PART #	TUBE SIZE ACCEPTED	PLACES	ARRAY
700281	18754-0001	13 to 16 mm	40	4 x 10
700282	18757-0001	13 to 16 mm	72	6 x 12
700283	18762-0001	16 to 20 mm	40	4 x 10
700284	18772-0001	20 to 25 mm	40	4 x 10

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700239	13446-0000	Wire Rack ID Tags, 3-1/2" x 1-1/2" x 1/8"	6

LAB NOTEBOOKS

Details and order information on **page 54**.



ANSELL MICROFLEX GLOVES

Choose from our selection of over twenty different varieties of vinyl and nitrile Microflex gloves for the lab and plant.



MICROFLEX

For details and order information, see **pages 102-108**.

KIMBLE® Disposable Glass Culture Tubes

KIMAX disposable glass culture tubes feature sturdy uniform bottoms and consistent lengths. Plain disposable tubes are manufactured from borosilicate glass 5.1 and do not have a marking spot. Complies with ASTM Specification E890. Autoclavable KIM-KAP™ polypropylene (PP) caps are available for tubes with 13 to 20 mm OD.

DURAN WHEATON KIMBLE



C&M PART #	MFG PART #	CAPACITY (mL)	SIZE (OD x L)	QUANTITY
706746	73500-650	1	6 x 50 mm	500
706738	73500-1075	4	10 x 75 mm	250
706739	73500-1275	6	12 x 75 mm	250
706740	73500-13100	10	13 x 100 mm	250
706741	73500-16100	15	16 x 100 mm	250
706742	73500-16125	19	16 x 125 mm	250
706743	73500-16150	23	16 x 150 mm	250
706744	73500-18150	29	18 x 150 mm	125
706745	73500-20150	36	20 x 150 mm	250

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706493	73660-13	KIM-KAP™ PP Cap Fits 13 mm OD Tube	500
706494	73660-16	KIM-KAP™ PP Cap Fits 16 mm OD Tube	500
706495	73660-18	KIM-KAP™ PP Cap Fits 18 mm OD Tube	500
706496	73660-20	KIM-KAP™ PP Cap Fits 20 mm OD Tube	250

KIMBLE® KIMAX® Reusable Glass Culture Tubes with Caps

KIMAX culture tubes are made from tubing with uniform wall thickness for maximum heat transfer. These tubes are manufactured from borosilicate glass 3.3 to offer chemical resistance. Designed from ASTM E982, Type VI, Class A requirements (Rubber-lined); Class B requirements (PTFE-lined). All tubes come with phenolic screw-thread cap. Autoclavable.

DURAN WHEATON KIMBLE



C&M PART #	MFG PART #	CAPACITY (mL)	OD X L (mm)	CAP LINER MATERIAL
706869	45066A-13100	8	13 x 100	PTFE-Faced Rubber
706436	45066-16100	12	16 x 100	Rubber
706437	45066-16125	16	16 x 125	Rubber
706438	45066-16150	20	16 x 150	Rubber
706439	45066-20125	25	20 x 125	Rubber
706440	45066-20150	30	25 x 150	Rubber

Hach Sample Cells

USE WITH:																		
C&M PART #	MFG PART #	SHAPE	MATERIAL	QUANTITY	Test Kits	Pocket Colorimeter	DR300/ Pocket Colorimeter II	DR800/ DR900	DR1900	DR2000/ DR2010	DR2700	DR2800	DR3000	DR3800	DR3900	DR4000	DR5000	DR6000
701871	2743400	Square	Plastic	100										X			X	X
702060	4165802	Round	Plastic	2		X												
700010	4660004	Round	Plastic	4	X													
700029	4864302	Round	Plastic	2			X	X	X		X	X			X		X	X
702302	5940500	Round	Plastic	1							X	X		X				
702303	5940506	Round	Plastic	6							X	X		X				
701540	2410212	Square	Polystyrene	12					X		X	X		X	X		X	X
700011	173006	Round	Glass	6	X													
700933	1353702	Square	Glass	2						X			X					
701093	1993500	Square	Glass	2									X					
701196	2095000	Square	Glass	2						X								
701244	2122800	Round	Glass	1							X	X		X				X
701520	2401906	Round	Glass	6				X										
700028	2427606	Round	Glass	6			X	X	X	X					X		X	X
701641	2495402	Square	Glass	2					X		X	X		X	X		X	X
701642	2495408	Square	Glass	8					X		X	X		X	X		X	X
701756	2612602	Square	Glass	2					X		X	X		X	X		X	X
701771	2629250	Rectangle	Glass	1							X	X		X	X		X	X
701820	2665902	Square	Glass	2												X		
701821	2665904	Square	Glass	4												X		
701822	2665908	Square	Glass	8												X		
701966	2838300	Round	Glass	6*							X							
701769	2624410	Rectangle	Quartz	1													X	X
701770	2624450	Rectangle	Quartz	1													X	X
702144	4822800	Square	Quartz	2													X	X

*Four 10-mL Sample Cells and Two 25-mL Sample Cells



[701871](#)



[702060](#)



[701540](#)



[700028](#)



[701641](#)



[701771](#)

Bel-Art Frio-Temp® Thermometers

These mercury-free, nontoxic, nonhazardous Enviro-Safe® thermometers are traceable to NIST. Use them to safely verify sample temperatures in refrigerators, incubators and ovens.



FEATURES & BENEFITS

- PFA coating on thermometers safely contain glass and liquid in case of breakage.
- Feature permanently fused markings, lead-free glass and individually serialized.
- Thermometers contain organic liquid, or EnviroKleen™ certified Enviro-Safe® liquid (Both listings have Enviro-Safe in the title, wouldn't they both have Enviro-Safe liquid? If not, the heading of the table needs to be changed.

INCLUDES

Thermometer in a plastic bottle, statement of accuracy and traceability, Velcro® and magnetic attachments.

CERTIFICATIONS

- Greener Choice, No Mercury

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY (°C)	DIVISIONS (°C)	LENGTH	DESCRIPTION
PRECISION ENVIRO-SAFE THERMOMETERS						
707380	61001-0100	-25 to -5	±0.2	0.1	210 mm (8.25")	Freezer
700419	61001-0200	-2 to 10	±0.2	0.1	180 mm (7")	Refrigerator
700420	61001-0300	15 to 30	±0.2	0.1	180 mm (7")	Incubator
700421	61001-0400	25 to 45	±0.2	0.1	190 mm (7.5")	Incubator
700422	61001-0500	95 to 115	±0.2	0.1	200 mm (8")	Oven
ENVIRO-SAFE THERMOMETERS						
707381	61004-0300	-30 to 1	±0.5	0.5	135 mm (5.3")	Freezer
700423	61004-0100	-5 to 15	±0.5	0.5	125 mm (4.9")	Refrigerator
700424	61004-0500	15 to 50	±0.5	0.5	135 mm (5.3")	Incubator

THERMOMETERS & MORE!

For more thermometers, see our **Lab Testing - Temperature** section starting on **page 179**.

Lab Alert® Three-Channel Timer

Count down three channels independently or simultaneously. Timer features memory recall, a timing capacity of 20 hours, time-out and 60-second audible alarm. Includes AAA Battery.



C&M PART #	MFG PART #	DESCRIPTION
705335	HS24490M	Three-Channel Timer

Lab Alert® Stopwatches



[705336](#)



[705334](#)

The Multifunction Stopwatch operates as a stopwatch or clock with one channel, 60-minute timing capacity and 8-1/2-digit display. Features quick start/quick stop timer, hourly chime, calendar and an alarm.

The Pocket Stopwatch/Timer/Clock operates as a stopwatch, count up/down timer or clock. It features four channels and has a six-digit display with a timing capacity of 100 hours.

C&M PART #	MFG PART #	DESCRIPTION
705336	HS24645	Multifunction Stopwatch/Clock, Blue
705334	HS24490D	Pocket Stopwatch/Timer/Clock, Grey

Lab Alert® Four-Channel Timer/Clock



Get a four-channel timer and clock in one unit. Easily toggle between channels and clock with using top buttons. Independently or simultaneously set time on four channels; audible and visual alarms signify elapsed time with 99-hour timing capacity. Clip on shirt pocket or place on magnetic surface using the included spring clip with magnetic back.

C&M PART #	MFG PART #	DESCRIPTION
705337	HS24670	Lab Alert® Timer, Four Channel

Welch Portable Vacuum Pump

Bring vacuum to where you need it. Small, lightweight and portable pump operates on 12 VDC power with a car adapter or 120 VAC adapter. Vacuum pump produces up to 190 torr (22" Hg) and 13 L/min—excellent for filtration or sampling applications. Polyacrylamide heads, fluoropolymer elastomer diaphragms, tubing and valves offer excellent chemical resistance.



INCLUDES

Vacuum pump, gauge and vacuum regulator.

C&M PART #	MFG PART #	DESCRIPTION	MAX. VAC	FREE AIR CAPACITY
706388	2060B-01	Gemini 2060 Vacuum Pump	22" Hg	0.46 cfm

Cytiva Whatman™ Vacu-Guard™ Inline Filter

Made from durable all-polypropylene, polydisc HD (Heavy Duty) inline filter handles large volumes of liquid samples containing harsh chemical solvents. Filter tapered barbed connections, 99% liquid retention rating and handles up to 1000 mL sample volume.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705896	6728-5100	Polydisc HD Inline Filter, 10.0 µm	10

Check out
our selection of
**FILTRATION
PRODUCTS**



See our wide selection of filtration items beginning on **page 51**.

Welch WOB-L Vacuum/Pressure Pumps



[706629](#)



[706824](#)

Reliable Piston Vacuum/Pressure pumps are perfect for many common laboratory vacuum/pressure applications. Adjust and monitor vacuum level and delivery pressure using the vacuum and pressure regulators and gauges. Inlet Water Trap prevents accidental ingestion of water by the pump. Muffler provides quiet pump operation and filters discharge air. For use with dry or aqueous vapor applications only.

Use the Dual-Head Piston Vacuum Pump for many common laboratory vacuum applications. Adjust and monitor vacuum to 60 torr (27.6" Hg) using the included vacuum regulator and gauge. Muffler quiets pump and filters discharge air. For use with dry or aqueous vapor applications only.

INCLUDES

Pump, 5-ft power cord for 115 VAC operation and operation manual. 1-year warranty.

SPECIFICATIONS

C&M PART #	706629	706630	706824
Horsepower	1/8	1/8	1/3
Free Air Capacity	0.76 cfm (22 L/min)	1.2 cfm (34 L/min)	3.5 cfm (100 L/min)
Max pressure	100 psi	50 psi	—
Max vacuum	26" Hg	27.2" Hg	27.6" Hg
Exhaust Connection	3/16"	3/16"	1/4"
Power	115 VAC/60 Hz, Single Phase		

C&M PART #	MFG PART #	DESCRIPTION
706629	2522B-01	2522 Single-Head Piston Vacuum/Pressure Pump
706630	2534B-01	2534 Single-Head Piston Vacuum/Pressure Pump
706824	2567B-50	2567 Dual-Head Piston Vacuum Pump

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706390	2522K-03	Service Kit For 2522 Pump
706391	2534K-03	Service Kit For 2534 Pump
706389	2567K-03	Two Head Service Kit For 2567 Pump
706392	2567K-04	Seal Service Kit for 2567 Pump

Thermo Scientific™ Nalgene™ Hand-Operated Vacuum/Pressure Pump



Obtain full blank port pressure with only two strokes using the Hand-Operated Vacuum Pump with Gauge. It quickly and easily attains a vacuum of 25" Hg or a pressure of 30 psi (35 kPa). This multipurpose self-lubricating pump features outstanding efficiency. Cast in corrosion-resistant zinc/aluminum, it easily disassembled for repair or replacement of internal parts.

INCLUDES

Vacuum pump, 2-Ft 1/4" ID clear tubing and vacuum gauge (Hg)

SPECIFICATIONS

MAX VACUUM	MATERIAL	FLOW RATE
30 psig (35 kPag)	Zinc/Aluminum	15 cc/stroke

C&M PART #	MFG PART #	DESCRIPTION
706552	6133-0010	Hand-Operated Vacuum Pump with Gauge

Thermo Scientific™ Nalgene™ Vacuum Tubing

Non-Phthalate, Clear Plastic PVC Vacuum Tubing is manufactured from the highest-grade resin materials and performs like classic Nalgene 180 tubing but is free from orthophthalate DEHP plasticizers. Complies with FDA CFR21 for food packaging, USP VI, Cytotoxicity, REACH, Latex-free, RoHS, and complies with California proposition 65. Resists hardening and discoloration from a wide range of laboratory chemicals and does not impart odor or taste. Withstands full vacuum (29.9 in. Hg) at room temperature.



SPECIFICATIONS

MAX PRESSURE	TEMPERATURE	TUBE THICKNESS	TUBE I.D.	TUBE O.D.	TUBING MATERIAL
56 psig at 23°C	160°F (Max)	3/16 In.	1/4 In.	5/8 In.	Polyvinyl Chloride

C&M PART #	MFG PART #	DESCRIPTION
706726	8702-0065	Non-Phthalate PVC Vacuum Tubing, Clear, 50 Ft Length

Thermo Scientific™ Barnstead™ MegaPure™ Glass Stills

Obtain high-purity water from distillation using MegaPure Glass Stills. They effectively remove inorganic solids, organics with boiling points higher than water, bacteria and pyrogens. Glass stills are constructed of non-leaching components and only come in contact with glass, quartz and PTFE parts to ensure ultimate purity.



Easily wall- or bench-mount stills to suit your lab needs. Gain easy access for cleaning with the quick-release cover.

C&M PART #	MFG PART #	FLOW RATE	POWER	AMPERAGE	PRESSURE RANGE
706553*	A440267*	0.4 gal./hr.	120 VAC, 50/60 Hz	9 A	20 to 100 psi
706554	A440367	0.9 gal./hr.	208 VAC, 50/60 Hz	15 A	20 to 100 psi
706555	A440518	1.6 gal./hr.	208 VAC, 50/60 Hz	30 A	20 to 100 psi

*Includes a 6 L storage bottle.

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706642	413964	6 L PE Storage Bottle for 0.4 gal./hr and 0.9 gal./hr Models
706641	413934	13 L Glass Storage Bottles for 0.9 gal./hr and 1.6 gal./hr Models

Thermo Scientific™ Barnstead™ B-Pure™ Deionization Systems

Customize the economical B-Pure laboratory-grade water system to meet your pretreatment or deionization application needs. The modular design provides the ability to add additional holders when the need arises. A simple quarter turn quickly releases canisters for a fast and easy cartridge change. Order cartridges separately below.



C&M PART #	MFG PART #	DESCRIPTION
706331	D4511	Single Holder
706330	D4524	Double Holder

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706261	D0803	Deionizer Cartridges, High Capacity, 1760 Grains
706262	D0813	Deionizer Cartridges, Organic Removal, 5000 Gallons

Thermo Scientific™ Barnstead™ Deionization Cartridges

Choose from a wide range of deionization cartridges to suit your application.

C&M PART #	MFG PART #	DESCRIPTION	SYSTEM
706261	D0803	High Capacity	E-Pure™, B-Pure™, Bantam™
706263	D0809	Ultrapure	B-Pure, Bantam
706264	D0811	Oxygen Removal	B-Pure
706260	D0815	Cation Removal	B-Pure, Bantam
706751	D0820	Organic Free	Nanopure™ II
706270	D0832	Pretreatment	B-Pure, Bantam
706265	D0835	Colloid/Organic	E-Pure, B-Pure
706266	D0836	Organic Removal	E-Pure, B-Pure
706764	D3750	0.2 µm Final Filter	Easypure II, B-Pure, Nanopure, E-Pure (3,4 Holder), TII
706649	D400377	High Purity	MegaPure™ D1, D2, MP-12
706648	D400499	Extended Capacity	MegaPure D1, D2, MP-12
706218	D5021	Organic Free	E-Pure, Nanopure
706557	D502113	0.1 µm Prefilter	Barnstead TII
706557	D502114	MPS Cartridge	Barnstead TII
706557	D502115	RO Carbon Prefilter	Barnstead TII
706268	D50213	Ultrapure	B-Pure
706332	D502133	Cartridge Kit	Easypure RoDi
706562	D502137	Cartridge Pack (2)	Barnstead TII
706561	D502138	Start-up Kit	Barnstead TII
706267	D50217	Ultrapure/Organic Removal	B-Pure 1/2 Size
706634	D5022	Tap Feed, Organic Removal	E-Pure, 3 Module
706215	D50223	Sanitation	E-Pure
706216	D50229	High Purity/Low TOC	Easypure II
706635	D5023	Tap Feed, Organic Removal	E-Pure, 4 Module
706217	D50230	Pretreatment DI Feed	Easypure II
706219	D50231	Pretreatment Distilled or RO Feed	Easypure II
706879	D50233	Ultrapure	Easypure II
706259	D5025	Cartridge Kit, Pretreated Feed, No Filter	Nanopure II
706255	D50251	Pretreatment Cartridge Tap to DI	Nanopure
706759	D50253	Ultrapure	Nanopure

C&M PART #	MFG PART #	DESCRIPTION	SYSTEM
706269	D5027	Ultrapure	E-Pure
706637	D5028	Cartridge Kit, Tap Feed	E-Pure, 4 Module
706556	D50283	Cartridge Kit, Type I	Nanopure
706636	D5029	Tap Feed, Organic Removal	E-Pure, 3 Module
706610	D8901	High Capacity	Hose Nipple
706609	D8902	Ultrapure	Hose Nipple
706611	D8904	Organic Removal	Hose Nipple
706612	D8911	Ultrapure	Hose Nipple
706613	D8921	Pretreatment, Scale Inhibitor	Hose Nipple
706560	FL1265X1	RO Membrane	Barnstead RO, Barnstead TII
706603	06.5201	5 µm Prefilter/Activated Carbon	Pacific TII, LabTower™ EDI, LabTower TII
706766	06.5452	Hardness Stabilizing	Pacific TII, Pacific RO, LabTower TII
706526	09.1006	Ultrapure Polisher	Micropure
706527	09.1020	Ultrapure Polisher	Smart2Pure
706300	09.2003	RO Membrane w/ Pretreatment, 3L/Hr	Smart2Pure
706530	09.2005	Ultrapure Polisher	GenPure™, GenPure xCAD, GenPure Pro, LabTower EDI
706301	09.2006	RO Membrane w/ Pretreatment, 6L/Hr	Smart2Pure
706299	09.2012	RO Membrane w/ Pretreatment, 12L/Hr	Smart2Pure
706868	09.2201	Disinfection	GenPure
706369	09.4000	Pretreatment	Pacific TII, Pacific RO, LabTower TII
706765	09.4003	Pretreatment	Smart2Pure, LabTower RO, LabTower EDI
706528	09.4011	High Purity	Pacific TII
706529	22.0046	RO Membrane	Pacific TII, Pacific RO, LabTower EDI
706520	50133980	Ultrafilter	GenPure, GenPure xCAD, GenPure Pro, LabTower RO, LabTower TII
706837	50133981	Ultrafilter	MicroPure, Smart2Pure (UF and UF/UV Units Only)



[706261](#)



[706270](#)



[706636](#)

Thermo Scientific™ Barnstead™ MicroPure™ Water Purification Systems

Process up to 15 L/day of ultrapure water with the compact and reliable MicroPure™ Water Purification System. This system is an outstanding choice for HPLC application or other instrumental analyses, sample preparation, glassware rinsing or molecular biology work in which endotoxins and/or nucleases would interfere. Water purification unit with integral 6-L feed water reservoir is perfect for where there is no direct access to a water line. Backlit display tilts for easy viewing. Monitor feed water quality to help maximize cartridge life.



ThermoFisher
SCIENTIFIC

SPECIFICATIONS

Feedwater Requirements	<5 S/cm, max TOC 50 ppb, <1.0 NTU, 2 to 35°C, 1.4 to 87 psi
Output Rate	up to 1.5 L/min
Output Water Quality	18.2 MΩ/cm, 0.055 S/cm, TOC 5 to 10 ppb, bacteria <1 CFU/mL particles (0.22 μm/mL) <1, For UF units only: TOC 1 to 5 ppb For UF units only: endotoxins <0.001 EU/m
Input Pressure (min/max)	29 to 87 psi
Feedwater Connector	8 mm OD

DIMENSIONS

Standard	12"W x 11.8"H x 21.5"D
With Reservoir	12"W x 21.5"H x 15.7"D
Power	90 to 240 VAC, 50/60 Hz
Approvals	CSA

C&M PART #	MFG PART #	DESCRIPTION
706600	50132374	UV Ultrapure Water System with Integral 6-L Reservoir, 1 L/min
706602	50132373	UV Ultrapure Water System, 1.5 L/min
706601	50132370	UF/UV Ultrapure Water System, 1.5 L/min

Core & Main Deionized Water

This deionized water is ACS Reagent Grade and considered Type II (1.0 μS/cm, 1.0 MΩ-cm) deionized water. It is filtered using 0.2 μm filters and is nonsterile.

C&M PART #	SIZE (L)	CONTAINER
706983	1	Poly
706984	4	Poly
706985	20	Cubitainer



Distributed by
CORE & MAIN

Labconco® WaterPro® BT Water Purification Systems



706758



706422



The WaterPro BT Water Purification System turns almost any laboratory sink into an on-demand, ultrapurified water station. A quick disconnect coupler with bypass allows this portable benchtop unit to produce Type III RO-purified water or Type I lab grade water from standard tap water. Type I water is ideal for many applications including instrumental trace element analysis, mixing standardized acid/base solutions, and media solutions. An optional UV lamp further reduces the bacteria and TOC levels necessary for life science applications.

INCLUDES

3/8" ID x 10 ft clear tubing, 3/8" hose barb for Type I dispensing valve; 8 mm elbow, 8 mm x 3 ft tubing, ball valve for tank outlet, sanitation kit, two 1-μm air vent filters. 1-year warranty.

SPECIFICATIONS

Feedwater Requirements	Potable, 4 to 10 pH, 5 to 35°C, Free Chlorine <1 mg/L, TOC < 2000 ppb
OUTPUT RATE	
Type I	>0.5 L/min
RO Water	3 L/hr
OUTPUT WATER QUALITY	
Type I	18.2 MΩ/cm, <10 ppb TOC
RO Water	94% Conductivity Removal from Feed Water
Input Pressure (min/max)	7.3 to 87 psi
Feedwater Connector	1/2"(F) GAZ, NPT or BSP
Dimensions (W x H x D)	11.4" x 23.8" x 13.1"; Remote Dispenser: 14" x 25" x 8"
Power	112 VAC, 60 Hz, 2A

C&M PART #	MFG PART #	DESCRIPTION
706758	9015020	Water Purification System
706757	9015220	Water Purification System with Remote Dispenser

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706422	9019200	Filter Pack (Required)
706384	9041400	Replacement Vent Filter, 1 μm
706385	9037700	Hollow Fiber Final Filter, 0.22 μm

Thermo Scientific™ Barnstead™ Smart2Pure™ Water Purification Systems

Convert tap water to both ASTM Type 1 and Type 2 water with these compact, all-in-one Smart2Pure Water Purification Systems. The Smart2Pure 3 and 6 feature a built-in 6 L reservoir to store the Type 2 water and produce 3 and 6 liters of ultra-pure water per hour respectively. Select a 30 or 60 L reservoir to use with the Smart2Pure 12 for customizable storage capacity. Dispensing is made easy with variable-speed flow control. Tilt display for optimal viewing. Place on a benchtop or wall mount to suit your laboratory needs.



ThermoFisher
SCIENTIFIC

INCLUDES

Ultrapure polisher cartridge, sterile 0.2 µm filter, pressure regulator and RO/pre-treatment cartridge.

SPECIFICATIONS

Feedwater Requirements	Potable, 4 to 11 pH, 2 to 35°C, 1.4 to 87 psi, Free Chlorine <0.1 mg/L
Output Rate	up to 1L/min
OUTPUT WATER QUALITY	
Type I Water	18.2 MΩ/cm, 0.055 µS/cm, TOC 5 to 10 ppb, Bacteria <1 CFU/ml, Particles (0.22 µm/ml) <1, For UV Units Only: TOC 1 to 5 ppb, For UF Units Only: Endotoxins <0.001 EU/m
Type II Water	15 to 10 MΩ/cm, 0.067 to 0.1 µS/cm
Input Pressure (min/max)	29 to 87 psi
Feedwater Connector	1/4" OD
Dimensions	12"W x 21.5"H x 15.7"D
Power	90 to 240 VAC, 50/60 Hz
Approvals	CSA

C&M PART #	MFG PART #	DESCRIPTION
SMART2PURE 3 SYSTEMS, 3 L/HR		
706323	50129872	UV Water Purification System
706326	50129688	UV/UF Water Purification System
SMART2PURE 6 SYSTEMS, 6 L/HR		
706324	50129885	UV Water Purification System
706327	50129887	UV/UF Water Purification System
SMART2PURE 12 SYSTEM, 12 L/HR (REQUIRES RESERVOIR: ORDER SEPARATELY BELOW)		
706322	50129890	UV Water Purification System
706325	50129845	UV/UF Water Purification System

REPLACEMENT PARTS AND ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
REQUIRED ACCESSORIES FOR ALL SMART2PURE UNITS		
706225	50157886	Pretreatment for Point of Use Water Purification Systems
REQUIRED ACCESSORIES FOR SMART2PURE 12 UNITS ONLY (CHOOSE ONE)		
706643	50155497	30 L Smart2Pure Tank
706644	50155501	60 L Smart2Pure Tank
RECOMMENDED/OPTIONAL ACCESSORIES FOR SMART2PURE 12 UNITS ONLY		
706645	06.5001	Sterile Overflow for Reservoir
706646	06.5002	CO2 Adsorber with Sterile Filter, 0.2 µm
706838	06.5015	Wall-Mounting Bracket for 30 L Storage Tank
706839	06.5016	Wall-Mounting Bracket for 60 L Storage Tank
REPLACEMENT FILTERS		
706527	09.1020	Ultrapure Polisher Cartridge for Smart2Pure System
706624	09.1003	Sterile Point of Dispense Filter, 0.2µm
706300	09.2003	Reverse Osmosis Membrane w/Integrated Pretreatment, 3 L/hr
706301	09.2006	Reverse Osmosis Membrane w/Integrated Pretreatment, 6 L/hr
706299	09.2012	Reverse Osmosis Membrane w/Integrated Pretreatment, 12 L/hr
706557	D502113	Prefilter for Barnstead™ RO and TII Systems, 5 µm
706559	D502114	RO and Barnstead TII Systems MPS Cartridge
706558	D502115	RO and TII Systems Carbon Cartridge

HOW TO ORDER



ONLINE

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EMAIL

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HOURS OF OPERATION: M-F; 6 A.M. to 7 P.M. CST

Labconco® WaterPro® Water Purification Systems

The WaterPro Water Purification Systems produce ultrapure water for lab use. View water quality and temperature on the easy-to-use control panel. A timed dispense feature allows unattended dispensing of pure water without risk of overflowing; dispenser shuts off automatically once the user-set time runs out. WaterPro systems have 304 stainless steel front panel and powder-coated steel cabinet to offer durability. Select from PS polishing or reverse osmosis (RO) system depending on your water purity requirements.



706819



706823

WaterPro® PS Polishing System/HPLC Analytical Instrument Model

deliver Type I, 18.2 MΩ-cm water. Dispense at a typical rate of 1.8 L/min depending on feedwater flow rate, pressure and installed purification modules using a dispensing valve or dispensing gun. Choose from specialized stations for general chemistry, analytical, life science or combination usage. Models designed for general chemistry may be upgraded with additional purification modules later for use in analytical or life science applications.



Labconco® WaterPro® Reverse Osmosis System feature large capacity filters and membrane to deliver high-quality reverse osmosis purified water. RO water is ideal for laboratory applications such as reagent preparation and glassware rinsing. These stations may also be used to produce laboratory grade feedwater for ultimate water purification by a polishing system such as the WaterPro® PS Polishing Station. Dispense water manually from a valve or using an optional dispensing gun.

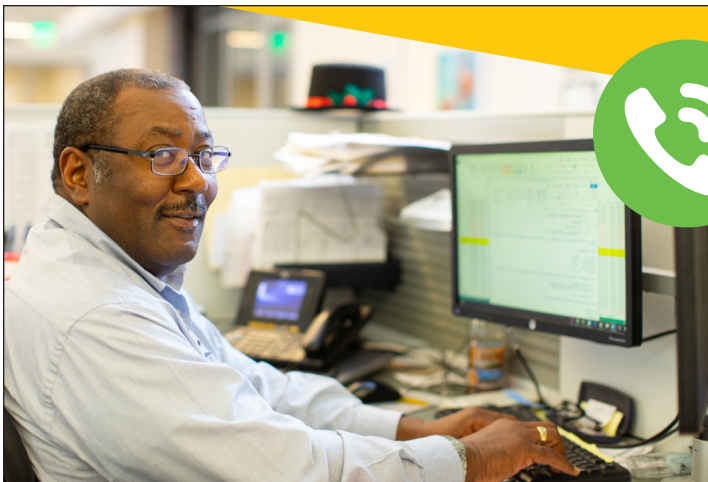
SPECIFICATIONS

TYPE	POLISHING SYSTEM	RO SYSTEM
Feedwater Requirements	<100 µS/cm	Tap
Output Rate	1.8 L/min	8.7 L/min (From Tank); 1 L/min from Valve or Gun
Output Water Quality	18.2 MΩ/cm; ,10 ppb TOC	<100 µS; <10 ppb TOC
Input Pressure (min/max)	0 to 100 psi	30 to 100 psi
Feedwater Connector	3/8" OD	3/8" OD
Dimensions (W x H x D)	31" x 30.1" x 7.5"	31.1" x 30.8" x 7.6"
Power	115 VAC, 50/60 Hz	115 VAC, 50/60 Hz

C&M PART #	MFG PART #	DESCRIPTION
706820	9000520	Polishing System
706819	9000521	Polishing System with Dispensing Gun
706823	9075020	RO System

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
REQUIRED POLISHING SYSTEM ACCESSORIES		
706563	9047101	General Chemistry/UF Polishing Kit
OPTIONAL POLISHING SYSTEM ACCESSORIES		
706407	9092900	PS Hollow Fiber Final Filter
REQUIRED RO SYSTEM ACCESSORIES		
706639	9067800	RO Prefilter Replacement Kit
706640	9078700	Reverse Osmosis Membrane
OPTIONAL RO SYSTEM ACCESSORIES		
706866	9080601	RO Dispensing Gun
706822	9201001	RO Bladder Tank, 14 Gallon
706821	9201000	RO Bladder Tank, 20 Gallon
706708	9100200	Interconnect Kit



TALK TO AN EXPERT TODAY!

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Radians Rad-Sequel™ Safety Eyewear

Lightweight Radians Rad-Sequel Safety Eyewear with rubber tipped temples and soft rubber nose piece provide a comfortable, secure fit for all day wear. Can you explain the indoor/outdoor frame and lens?



FEATURES & BENEFITS

- Rubber tipped temples provide a secure fit
- Soft, rubber nose piece provides all day comfort
- Impact-resistant polycarbonate lens provides 99.9% UVA/UVB protection

SPECIFICATIONS

FRAME STYLE	Rad-Sequel
LENS COLOR	Clear
FRAME COLOR	Clear

CERTIFICATIONS

- ANSI Z87.1+ standards.

C&M PART #	MFG PART #	DESCRIPTION
100533	RS1-11	Clear Frame, Clear Anti-Fog Lens
100534	RS1-10	Clear Frame, Clear Lens
100536	RS1-90	Indoor/Outdoor Frame, Indoor/Outdoor Lens

Honeywell UVEX Goggles

Honeywell Uvex Futura™ Goggles feature a wraparound design providing an excellent panoramic vision. High-performance Uvextreme® anti-fog coating minimizes fogging even in extreme environments.



FEATURES & BENEFITS

- Fits over most prescription eyewear
- Wraparound style with frosted brow-guard reduces overhead glare
- Offers protection against dust, mist, impact and chemical splash
- Economical lens replacement system

SPECIFICATIONS

FRAME STYLE	Futura
LENS COLOR	Clear
FRAME COLO	Clear

CERTIFICATIONS

- Meets the ANSI Z87.1-2010 standard
- CSA Z94.3 standard.

C&M PART #	MFG PART #	DESCRIPTION
101311	S345C	Clear Frame, Clear Uvextreme® Anti-Fog Lens

Radians Mirage™ Safety Eyewear

Radians Mirage Safety Eyewear offers a sleek design is perfect for both men and women. Rubber temples and foam lined nose piece offer a comfortable fit for all day wear.



FEATURES & BENEFITS

- Optically correct and distortion free lenses
- Economical dual wraparound 9.75 base lens provides near perfect orbital seal
- Sleek and lightweight—weighs less than 1 oz—offers a comfortable fit
- Impact-resistant polycarbonate lens provides 99.9% UVA/UVB protection

SPECIFICATIONS

FRAME STYLE	Mirage
LENS COLOR	Clear
FRAME COLOR	Clear

CERTIFICATIONS

- ANSI Z87.1+ standards.

C&M PART #	MFG PART #	DESCRIPTION
100343	MR0110ID	Clear Frame, Clear Lens
100344	MR0190ID	Indoor/Outdoor Frame, Indoor/Outdoor Lens
100346	MR0191ID	Indoor/Outdoor Frame, Indoor/Outdoor Anti-Fog Lens

Radians Mirage™ Foam Safety Eyewear

Radians Mirage Foam Safety Eyewear with soft foam lining offer excellent protection from debris, airborne particles and irritants. Sleek, light safety glasses use foam lined vents to filter air for maximum comfort.



FEATURES & BENEFITS

- Closed cell foam lined channels block debris and eye irritants
- Full wraparound frame allows for unobstructed peripheral vision
- Tiny foam lined pockets/vents provide extra fog control
- Impact-resistant polycarbonate lens provides 99.9% UVA/UVB protection

SPECIFICATIONS

FRAME STYLE	Mirage
LENS COLOR	Clear
FRAME COLOR	Clear

CERTIFICATIONS

- ANSI Z87.1+ standards.

C&M PART #	MFG PART #	DESCRIPTION
100279	MRF111ID	Clear Frame, Clear Anti-Fog Lens
100280	MRF191ID	Indoor/Outdoor Frame, Indoor/Outdoor Anti-Fog Lens

NOW IN STOCK: Guardian® Eye Wash Stations



Stay compliant with OSHA and ANSI requirements with one of Guardian's eyewash stations. Choose from pedestal-mounted, portable, or wall-mounted options.

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Radians Eye Wash Stations



100084



100081



Compact and easy to mount, these personal eye wash stations are perfect for immediate flushing of eyes in an emergency, until the injured person can be helped to a proper eyewash station. Available with 1 or 2 bottles, with either 16 oz or 32 oz bottles.

FEATURES & BENEFITS

- Conveniently mounts to wall for easy access
- Bright green color makes it easy to locate in an emergency
- Easily removable bottle snaps securely into place
- Bottles dated for freshness

C&M PART #	MFG PART #	DESCRIPTION
100082	REW16S	Non-Portable Eyewash Station, Single, 16 oz
100084	REW32S	Non-Portable Eyewash Station, Single, 32 oz
100083	REW16D	Non-Portable Eyewash Station, Double, 16 oz
100081	REW32D	Non-Portable Eyewash Station, Double, 32 oz

Honeywell® Sterile Eyesaline® Eyewash Bottles

Place personal eyewash bottles closer to contaminants so immediate treatment can be provided in case of an accident. While not intended to replace the primary eyewash equipment, these bottles are an important supplement for the injured worker before accessing the primary eyewash equipment. They are also great for using while the injured worker is being transported to medical care.



Honeywell

FEATURES & BENEFITS

- Extended-flow nozzle provides longer flow than conventional eyewash containers
- Buffered, sterile saline solution is superior to tap water for emergency eye care
- Tamper-resistant blow-fill-seal can be easily removed in an emergency

C&M PART #	MFG PART #	DESCRIPTION
111174	32-000454-0000-H5	Portable Sterile Eyewash Bottle, 16 oz
111175	32-000455-0000-H5	Portable Sterile Eyewash Bottle, 32 oz

Bel-Art Glass Disposal Boxes



Safely dispose broken glass using glass disposal boxes. Sturdy corrugated cardboard receptacle comes with a 2-mil thick, clear polyethylene bag to help contain broken glass fragments and spilled liquids. When the box is full, lift the flap opening to a closed position and the entire unit is ready for disposal.

FEATURES & BENEFITS

- Eye-catching graphics in four languages (English, German, French, Spanish)
- Packaged flat to save space and shipping costs; quickly assembled

C&M PART #	MFG PART #	DESCRIPTION
700298	24653-0001	Cardboard Disposal Cartons for Glass, 12" x 12" x 27", Floor Model (Pack of 6)
700299	24653-0002	Cardboard Disposal Cartons for Glass, 8" x 8" x 10", Benchtop Model (Pack of 6)

Heathrow Scientific Sharps Container



The Sharps Containers provide a safe and easy way to dispose of syringes, needles and other small sharps. Stackable containers only measure 4.5" L x 4.5" W x 7.5" H and are easy to transport.

FEATURES & BENEFITS

- Stackable to reduce storage space
- Clear lid to view fill level
- Slide access lid provides temporary and final closures for safety and security
- Built-in needle removal port, prevents direct contact with sharps

C&M PART #	MFG PART #	DESCRIPTION
704858	120177	Sharps Container, 1 L (Quart), Red
704859	120178	Sharps Container, 1 L (Quart), Yellow

Hach Ampule Breakers



Safely break off ampule tip using the ampule breakers. They are designed to prevent contamination and speed up testing.

C&M PART #	MFG PART #	DESCRIPTION
701291	2196800	Ampule Breaker Kit for Voluette™ Ampules
701693	2564000	Ampule Breaker for 20-mL Ampules
701631	2484600	Ampule Breaker for 2-mL PourRite Ampules

Bel-Art Ampule Opener

Safely and easily open three ampules simultaneously. Unique box style design allows one handed opening. Gently pressing down on the lid cleanly snaps ampule neck while keeping them contained in the box and away from fingers. After removing ampule content, simply turn the box upside down to discard ampules and tops.



FEATURES & BENEFITS

- Includes four inserts for opening 1 mL, 2 mL, 5 mL and 10 mL ampules
- Transparent material always allows unobstructed viewing of ampule contents
- Co-polyester plastic construction has broad chemical resistance

C&M PART #	MFG PART #	DESCRIPTION
700385	38952-0000	Break-Safe Ampule Opener, 3-3/4" x 3" x 3-1/4"

Microflex® SafeGrip® Extended Cuff Disposable Latex Gloves

Ideal for heavy-duty jobs, these latex Microflex® SafeGrip® Gloves are three times thicker than standard latex gloves to resist rips, snags and tears. Soft, elastic fit and feel yet offer tough hand protection you can rely on.



MICROFLEX®

FEATURES & BENEFITS

- Textured fingertips provide secure grip
- Extended cuff for expanded protection over the wrist and forearm
- Double chlorinated for easy donning and a comfortable feel

SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.28 mm/11 mil
LENGTH	29.5 cm/11.6"

CERTIFICATIONS

- NFPA 1999

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705713SM	SG-375-S	S	50
705713MD	SG-375-M	M	50
705713LG	SG-375-L	L	50
705713XL	SG-375-XL	XL	50

Glove Box Holder



These PPE glove box holders are made of high-quality clear acrylic so you can easily see what type of gloves are in the dispenser. Easily wall mount using the pre-drilled holes. Made in the USA.

C&M PART #	MFG PART #	DESCRIPTION	DIMENSIONS (H x W x D)
10883939SEWY	AGBS	Single	5" x 10.5" x 4"
10883939SEYI	AGBD	Double	10" x 10.5" x 4"
10883939SEYU	AGBT	Triple	15" x 10.5" x 4"

Microflex® Diamond Grip® Disposable Latex Gloves

Microflex® Diamond Grip® Gloves protect hands in the most demanding environments. These tough, durable disposable latex gloves are uniquely designed to be extra thick at the fingers (7.9 mil) for added protection against rips, snags and tears, where you need it most. Textured fingertips provide a secure, confident grip when handling slippery and oily objects.



MICROFLEX®

FEATURES & BENEFITS

- Extra thickness at the fingertips offers superior durability
- Textured fingertips for a better grip
- Double chlorinated for easy donning and a comfortable feel
- Excellent protection for water testing and analysis applications

SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.16 mm/6.3 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705715SM	MF-300-S	S	100
705715MD	MF-300-M	M	100
705715LG	MF-300-L	L	100
705715XL	MF-300-XL	XL	100

Microflex® Diamond Grip® Plus Disposable Latex Gloves

Microflex® Diamond Grip® Plus is a durable latex glove that is fully textured for a secure grip.



MICROFLEX®

FEATURES & BENEFITS

- Thick design for durable protection
- Fully textured for enhanced grip

SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.13 mm/5.1 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705716SM	DGP-350-S	S	100
705716MD	DGP-350-M	M	100
705716LG	DGP-350-L	L	100
705716XL	DGP-350-XL	XL	100

Microflex® Ultra One® Extended-Cuff Disposable Latex Gloves

Microflex® Ultra One® Gloves are strong, durable and feature an extended cuff for expanded protection over the wrist and forearm. Thick design offers added strength and durability.



MICROFLEX®

FEATURES & BENEFITS

- Extended cuff for expanded protection over the wrist and forearm
- Thick design for added strength and durability
- Comfortable latex material for soft, elastic fit and feel

SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.25 mm/9.8 mil
LENGTH	30 cm/11.8"

CERTIFICATIONS

- NFPA 1999

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705714SM	UL-315-S	S	50
705714MD	UL-315-M	M	50
705714LG	UL-315-L	L	50
705714XL	UL-315-XL	XL	50

Microflex® ComfortGrip® Disposable Latex Gloves

Microflex ComfortGrip offer durable hand protection at an affordable price. Gloves measure 5-mil thick at the palm and 6.3-mil thick at the fingertips. Fully textured surface allows a secure grip on a variety of materials.



MICROFLEX®

FEATURES & BENEFITS

- Economical yet reliable latex gloves
- Fully textured surface offers a secure grip

SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.13 mm/5.1 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705717SM	CFG-900-S	S	100
705717MD	CFG-900-M	M	100
705717LG	CFG-900-L	L	100
705717XL	CFG-900-XL	XL	100

Microflex® 93-260 Chemical-Resistant Disposable Gloves

Microflex 93-260 Chemical-Resistant Gloves feature an innovative three-layer design that withstand a wide range of aggressive chemicals. The exterior nitrile layer delivers maximum protection against several organic solvents, while the soft neoprene middle layer provides acid and base resistance. A final interior layer provides a continual dry feel, while easing the donning and doffing process.



MICROFLEX®

FEATURES & BENEFITS

- Three-layer design for superior protection against harsh chemicals
- The thinnest chemical resistant disposable glove for enhanced tactility and dexterity
- Extra soft material and ergonomic design for outstanding fit, feel and flexibility
- Lower acceptable pinhole rate (0.65 AQL) for reliable protection against hazardous substances

SPECIFICATIONS

MATERIAL	Nitrile (NBR) Rubber & Neoprene
POWDER CONTENT	Powder Free
PALM THICKNESS	0.198 mm/7.9 mil
LENGTH	28.5 cm/11.2"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705731SM	93260070	S	50
705731MD	93260080	M	50
705731LG	93260090	L	50
705731XL	93260100	XL	50
7057312X	93260110	2XL	50

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Check out **page 44**
for details and order information.

Microflex® Black Dragon® Disposable Latex Gloves

Microflex Black Dragon BD-100L Latex Gloves mask dirt and provide a contrast against tools and materials. Fully textured surface provides secure grip on a wide variety of materials.



FEATURES & BENEFITS

- Unique dark color assists in framing and focus
- Versatile latex for multiple applications



SPECIFICATIONS

MATERIAL	Natural Rubber Latex
POWDER CONTENT	Powder Free
PALM THICKNESS	0.14 mm/5.5 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705718SM	BD-1001-PF	S	100
705718MD	BD-1002-PF	M	100
705718LG	BD-1003-PF	L	100
705718XL	BD-1004-PF	XL	100

Microflex® MidKnight® Disposable Nitrile Gloves

Microflex MidKnight Nitrile Gloves offer tough protection while masking dirt, oils and grease so wearers' hands look neat and professional during work. The dark color makes it easier to see lighter materials they handle. Fully textured and nonfoaming design offers secure grip in dry and wet environments.



FEATURES & BENEFITS:

- Black gloves hide stains and offer contrast for improved visibility
- Fully textured design for a confident grip
- Nonfoaming for easy handling of objects even in wet environments

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.12 mm/4.7 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705725SM	MK-296-S	S	100
705725MD	MK-296-M	M	100
705725LG	MK-296-L	L	100
705725XL	MK-296-XL	XL	100
7057252X	MK-296-XXL	2XL	100

Microflex® Vinyl Disposable Gloves

Microflex Vinyl Gloves are great for general-purpose light-duty applications. Gloves have a smooth finish for a more natural fit.



FEATURES & BENEFITS

- Extremely thin gloves offer great tactility and dexterity
- Produced without the use of DEHP



SPECIFICATIONS

MATERIAL	Vinyl
POWDER CONTENT	Powder Free
PALM THICKNESS	0.07 mm/2.8 mil
LENGTH	24 cm/9.5"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705733SM	V281	S	100
705733MD	V282	M	100
705733LG	V283	L	100
705733XL	V284	XL	100

Microflex® Aloe Sense™ Disposable Nitrile Gloves

Microflex Aloe Sense N96 is designed with proprietary aloe and chamomile inner coating. The soft nitrile formulation provides a comfortable fit and feel for extended wear. Textured fingers provide a more secure grip of instruments.



FEATURES & BENEFITS

- Proprietary aloe and chamomile inner coating
- Manufactured with a robust profile for added durability and chemical splash resistance

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.09 mm/3.5 mil
LENGTH	25 cm/9.8"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705734XS	N960	XS	100
705734SM	N961	S	100
705734MD	N962	M	100
705734LG	N963	L	100
705734XL	N965	XL	100

Microflex® Supreno® SE Disposable Nitrile Gloves

Microflex Supreno SE combine sturdy nitrile construction with low AQL to offer excellent chemical splash protection and exceptional barrier integrity. Textured fingertips provide a secure grip—excellent for oily or wet environments.



MICROFLEX®

FEATURES & BENEFITS

- Durable nitrile formulation for demanding jobs
- Sturdy design for longer wear times
- Exceptional barrier integrity with 0.65 AQL for allowable pinholes
- Textured fingertips provide secure grip

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.11 mm/4.3 mil
LENGTH	24.5 cm/9.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705724SM	SU-690-S	S	100
705724MD	SU-690-M	M	100
705724LG	SU-690-L	L	100
705724XL	SU-690-XL	XL	100

Microflex® NeoPro® Disposable Gloves

With its durable design, textured fingers and neoprene formulation, Microflex® NeoPro® EC Gloves offer exceptional grip in both wet and dry environments. The gloves provide excellent protection against splashes from a wide range of chemicals.



MICROFLEX®

FEATURES & BENEFITS

- Excellent splash protection against a wide range of chemicals.
- Polymer coated for easy donning.
- Latex free—great for people with latex allergies

SPECIFICATIONS

MATERIAL	Neoprene Rubber
POWDER CONTENT	Powder Free
PALM THICKNESS	0.16 mm/6.3 mil
LENGTH	29 cm/11.4"

CERTIFICATIONS

- NFPA 1999

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705737SM	NEC-288-S	S	50
705737MD	NEC-288-M	M	50
705737LG	NEC-288-L	L	50
705737XL	NEC-288-XL	XL	50

Microflex® Supreno® EC Disposable Nitrile Gloves

Microflex Supreno EC Gloves are renowned for the comfort and durability they provide. These disposable gloves combine sturdy nitrile construction with low AQL to offer excellent chemical splash protection and exceptional barrier integrity. Extended cuff provides extra protection over the wrist and forearm.



MICROFLEX®

FEATURES & BENEFITS

- Superior strength and durability for maximum protection against rips, snags or tears
- Low, 0.65 AQL for advanced barrier protection
- Ideal for raw material sample collection

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.14 mm/5.5 mil
LENGTH	29.5 cm/11.6"

CERTIFICATIONS

- NFPA 1999

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705721SM	SEC-375-S	S	50
705721MD	SEC-375-M	M	50
705721LG	SEC-375-L	L	50
705721XL	SEC-375-XL	XL	50
7057212X	SEC-375-XXL	2XL	50
7057213X	SEC-375-XXXL	3XL	50

Microflex® Dura Flock® Flock-Lined Disposable Nitrile Gloves

Extra thick, durable Microflex® Dura Flock® Gloves offer excellent protection for demanding jobs. Super-thin, soft flock lining absorbs moisture to keep hands dry and comfortable during extended wear.



MICROFLEX®

FEATURES & BENEFITS

- Soft, flock lining absorbs moisture
- Thick design resists punctures and tears
- Durable nitrile for reliable splash protection

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS (mil)	0.22 mm/8.7 mil
LENGTH	27 cm/10.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705720SM	DFK-608-S	S	50
705720MD	DFK-608-M	M	50
705720LG	DFK-608-L	L	50
705720XL	DFK-608-XL	XL	50
7057202X	DFK-608-XXL	2XL	50

Microflex® Integra® Extended-Cuff Disposable Nitrile Gloves

Microflex Integra nitril gloves are extra thick in the palm and finger to provide added durability. Extended length offers expanded protection over the wrist and forearm.



MICROFLEX®

FEATURES & BENEFITS

- Enhanced thickness in the palm and finger for durable protection
- Extended length provides superior protection in high-risk conditions
- Excellent alternative for people with latex allergies

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS:	0.20 mm/7.9 mil
LENGTH	29.5 cm/11.6"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705719SM	N871	S	50
705719MD	N872	M	50
705719LG	N873	L	50
705719XL	N874	XL	50
7057192X	N875	2XL	50

AUTOCLAVE GLOVES & HOT HAND PROTECTORS




Check out our selection on **page 86** for details and order information.

Microflex® Integra® Disposable Nitrile Gloves

Extra thickness in the palm and finger gives the Microflex Integra Gloves the added robustness and durability.



MICROFLEX®

FEATURES & BENEFITS

- Enhanced thickness in the palm and finger for added durability
- Great alternative to people with latex allergies

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS (mil)	0.17 mm/6.7 mil
LENGTH	24 cm/9.5"

CERTIFICATIONS

- NFPA

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705723SM	N861	S	50
705723MD	N862	M	50
705723LG	N863	L	50
705723XL	N864	XL	50
7057232X	N865	2XL	50

Microflex® UltraSense® Extended-Cuff Disposable Nitrile Gloves

Due to its soft, thin and flexible formulation, Microflex® UltraSense® EC provides impressive tactile sensitivity for light to mid-duty work. Extended cuff offers expanded protection over the wrist and forearm.



MICROFLEX®

FEATURES & BENEFITS

- Extended cuff for expanded protection over the wrist and forearm
- Nonstick surface resists tapes and adhesives
- Textured fingertips for enhanced grip
- 100 gloves per box—get more per box than most extended cuff gloves

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.10 mm/3.9 mil
LENGTH	29 cm/11.4"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705727SM	USE-880-S	S	100
705727MD	USE-880-M	M	100
705727LG	USE-880-L	L	100
705727XL	USE-880-XL	XL	100
7057272X	USE-880-XXL	2XL	100

Microflex® Blaze® Disposable Nitrile Gloves

Microflex Blaze Gloves are made of robust, highly visible orange nitrile material that protects hands in demanding environments. Textured fingertips provide a secure grip even in oily environments.



MICROFLEX®

FEATURES & BENEFITS

- Highly visible orange color
- Works exceptionally well in oily environments
- Extended cuff for added protection of wrist and forearm

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.13 mm/5.1 mil
LENGTH	27 cm/10.6"

CERTIFICATIONS

- NFPA

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705722SM	N481	S	100
705722MD	N482	M	100
705722LG	N483	L	100
705722XL	N484	XL	100
7057222X	N485	2XL	100

Microflex® UltraSense® Disposable Nitrile Gloves

Microflex UltraSense Gloves are made from thin, yet durable nitrile formulation, providing reliable protection along with tactility. The unique royal blue color offers greater contrast and visibility than standard light blue gloves.



MICROFLEX®

FEATURES & BENEFITS

- Thin, yet durable nitrile formulation offers dependable protection
- Royal blue color provides excellent contrast
- Nonstick exterior prevents tapes and adhesives from sticking

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.08 mm/3.1 mil
LENGTH	24 cm/9.5"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705728SM	US-220-S	S	100
705728MD	US-220-M	M	100
705728LG	US-220-L	L	100
705728XL	US-220-XL	XL	100

Microflex® Ultraform® Disposable Nitrile Gloves

Microflex Ultraform Gloves protect hands while offering exceptional dexterity for jobs requiring fine motor control. Designed with ERGOFORM™ ergonomic design technology, these thin, tactile gloves reduce the amount of muscle effort wearers exert while performing repetitive tasks. The soft nitrile formulation forms to hands for a comfortable fit and feel during extended wear.



MICROFLEX®

FEATURES & BENEFITS

- Made with ERGOFORM™ design technology to support musculoskeletal health
- Extra thin design for superior tactile sensitivity
- Soft nitrile gloves are comfortable even during extended wear
- Packaged 300 per dispenser to reduce waste

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.06 mm/2.4 mil
LENGTH	23 cm/9.1"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705730SM	UF-524-S	S	300
705730MD	UF-524-M	M	300
705730LG	UF-524-L	L	300
705730XL	UF-524-XL	XL	300

Microflex® XCEED® Disposable Nitrile Gloves

Microflex XCEED disposable gloves offer superior protection and exceptional dexterity. Designed with ERGOFORM™ ergonomic design technology, these thin, tactile gloves reduce the amount of muscle effort wearers exert while performing repetitive tasks. The thin-mil design provides enhanced tactile sensitivity while protecting hands.



MICROFLEX®

FEATURES & BENEFITS

- Made with ERGOFORM™ design technology to support musculoskeletal health
- Low 0.65 AQL offers exceptional barrier integrity
- Strong nitrile formulation prevents against rips and tears
- Smartly packaged 250 gloves per box with easy, single glove dispenser help reduce waste

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS	0.07 mm/2.8 mil
LENGTH	24 cm/9.5"

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705729SM	XC-310-S	S	250
705729MD	XC-310-M	M	250
705729LG	XC-310-L	L	250
705729XL	XC-310-XL	XL	250

Microflex® FreeForm® Disposable Nitrile Gloves

Microflex® FreeForm® Nitrile Glove have nonstick properties that resist tape and adhesives. Textured fingertips offer a secure grip. Perfect gloves when performing light to mid-duty work.



MICROFLEX®

FEATURES & BENEFITS

- Nonstick properties resist tape and adhesives
- Textured fingertips for enhanced grip
- Excellent alternative for people with latex allergies

SPECIFICATIONS

MATERIAL	Nitrile
POWDER CONTENT	Powder Free
PALM THICKNESS (MIL)	0.12 mm/4.7 mil
LENGTH	24.5 cm/9.6"

CERTIFICATIONS

- NFPA 1999

C&M PART #	MFG PART #	SIZE	COUNT/BOX
705726SM	FFS-700-S	S	100
705726MD	FFS-700-M	M	100
705726LG	FFS-700-L	L	100
705726XL	FFS-700-XL	XL	100

Hach Total Alkalinity Test Strips

Hach Total Alkalinity Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Total Alkalinity	0 to 240	0, 40, 80, 120, 180, 240

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701873	2744850	Total Alkalinity Test Strips	50

Hach Alkalinity Test Kit



Hach Alkalinity Test Kit uses a drop count titration method with powder pillows to determine phenolphthalein and methyl orange alkalinities. Results are expressed as CaCO_3 .

INCLUDES

Sample measuring tube, mixing bottle, reagents, instructions and carrying case.

SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Alkalinity as CaCO_3	5 to 100	5
Alkalinity as CaCO_3	20 to 400	20

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701592	2444301	Alkalinity Test Kit, Model AL-AP	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700700	94399	Bromcresol Green-Methyl Red Indicator Powder Pillows	100
700698	94299	Phenolphthalein Indicator Powder Pillows	100
701461	2349732	Sulfuric Acid Standard Solution, 0.035 N, 100 mL MDB	-
700651	43800	Plastic Measuring Tube, 5.83 mL	-

Hach Ammonia-Nitrogen Test Kit



Hach Ammonia-Nitrogen Test Kit is designed for testing ammonia in freshwater. This simple kit uses a color disc method for fast and reliable results.

Note: Contains mercury. Dispose of according to local, state and federal regulations.

INCLUDES

Deionized water, reagents, comparator box, color disc, plastic tube, instruction sheet and carrying case.

SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Ammonia-Nitrogen	0 to 3.0	0.1

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700857	224100	Nitrogen, Ammonia Test Kit, Model NI-8	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701235	2119432	Nessler Reagent, 100 mL MDB	100

Hach Ammonia & Nitrate/Nitrite Test Strips

Hach Ammonia & Nitrate/Nitrite Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

C&M PART #	PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
701889	Ammonia	0 to 6	0, 0.25, 0.5, 1.0, 3.0, 6.0
701879	Nitrate	0 to 50	0, 1, 2, 5, 10, 20, 50
701879	Nitrite	0 to 3	0, 0.15, 0.3, 1, 1.5, 3

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701889	2755325	Ammonia-Nitrogen Test Strips	25
701879	2745425	Nitrate/Nitrite-Nitrogen Test Strips	25

Hach Ammonia DR300 Pocket Colorimeter

The Hach Ammonia DR300™ Pocket Colorimeter™ maintains Hach's legacy of reliable ammonia nitrogen testing for process control while providing state-of-the-art features.



FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Ammonia Nitrogen
METHOD	Salicylate
RANGE (mg/L)	0.01 to 0.80
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700095	LPV445.97.40110	DR300 Ammonia Colorimeter	-
701824	2668000	Ammonia Reagent Set	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701779	2653299	Ammonia Salicylate Reagent Powder Pillows, Pack of 100
701778	2653199	Ammonia Cyanurate Reagent Powder Pillows, Pack of 100
701928	2802246	Monochlor F Reagent Powder Pillows, Pack of 50
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Hach Ammonia/Monochloramine DR300 Pocket Colorimeter

The Hach Monochloramine/Free Ammonia DR300™ Pocket Colorimeter™ maintains Hach's legacy of reliable monochloramine/free ammonia testing for process control while providing state-of-the-art features.



FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Monochloramine/Free Ammonia
METHOD	Indophenol
FREE AMMONIA RANGE (mg/L)	0.02 to 0.50
MONOCHLORAMINE RANGE (Mg/L)	0.04 to 4.50
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700096	LPV445.97.26110	DR300 Monochloramine/Free Ammonia Colorimeter	-
701973	2879200	Free Ammonia/Monochloramine Reagent Set	50

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701972	2877436	Free Ammonia Chlorinating Solution, 4 mL SCDB
701929	2802299	Monochlor F Reagent Powder Pillows, Pack of 100
701655	2507500	SpecCheck™ Secondary Free Ammonia/Monochloramine Standards
700029	4864302	Plastic Sample Cells, Pack of 2

Hach Ammonia Reagent Sets



Various Hach reagents are available to help you monitor ammonia levels. Choose from sets containing bottles, powder pillows, Chemkeys® and/or TNTplus® vials.

C&M PART #	MFG PART #	DESCRIPTION	HACH METHOD #	# TESTS
NITROGEN-AMMONIA REAGENTS				
701612	2458200	Reagent Set, Nessler	8038	250
701740	2604545	AmVer (Salicylate) TNT Set, Low Range	10023	25 to 50
701745	2606945	AmVer (Salicylate) TNT Set, High Range	10031	25 to 50
701333	2243700	Powder Pillows, 25 mL	8155	100
701824	2668000	Powder Pillows, 10 mL	8155	100
AMMONIA REAGENTS (TNTPLUS® VIALS)				
700152	TNT830	TNTplus Vial Test, Ultra Low Range	10205	25
700153	TNT831	TNTplus Vial Test, Low Range	10205	25
700154	TNT832	TNTplus Vial Test, High Range	10205	25
AMMONIA REAGENTS				
700110	9425200	Total Ammonia Chemkey Reagents	-	25
FREE AMMONIA & MONOCHLORAMINE REAGENTS				
701973	2879200	Free Ammonia Reagent Set	10200	50
702510	9429500	Free Ammonia (requires Stock # 700113) Chemkey Reagents	-	25
700111	9429600	Free Ammonia & Monochloramine Chemkey Reagents	-	25
700113	9429400	Monochloramine Chemkey Reagents	-	25

Hach Arsenic Test Kit

Safely measure arsenic in the lab or field using the Hach Arsenic Test Kit. This effective method recovers 100% of inorganic arsenic in samples and allows detection of arsenic levels in the field to assess compliance with the EPA Arsenic Rule. This test kit is best used for samples containing arsenic-iron or sulfide particles.

Note: Contains mercury. Dispose of according to local, state, and federal regulations.

INCLUDES

Five reagents, test strips, reaction vessel with cap, measuring scoop, instructions and carrying case.

SPECIFICATIONS

PARAMETER	RANGE (ppb)	INCREMENTS (ppb)
Arsenic	0 to 500	0, 10, 30, 50, 70, 300, 500

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701927	2800000	Arsenic Test Kit	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701926	2799900	Replacement Reagent Set for 701927	100



Hach Chloride Test Strips

Easily determine the chloride ion concentration using the Hach Chloride Test Strips. Simply place the strip in the test solution and read the result. Compare against the accompanying calibration table to determine chloride concentration.

SPECIFICATIONS

C&M PART #	PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
701874	Chloride	30 to 600 mg/L	10 to 20
701884	Chloride	300 to 6000 mg/L	100 to 200

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701874	2744940	Chloride Low-Range Test Strips	40
701884	2751340	Chloride High-Range Test Strips	40



Hydrometers

Accurately determine the solution strengths using these hydrometers. Order autoclavable hydrometer rack that can hold up to 18 hydrometers; various size hydrometer jars are available for use with hydrometers.



704536



704542



700293

C&M PART #	MFG PART #	MATERIAL	RANGE	LENGTH	DIVISIONS
SPECIFIC GRAVITY HYDROMETERS					
704535	6604-1	Glass	1.000 to 1.250	165mm	0.005
704536	6604-2	Glass	1.200 to 1.450	165mm	0.005
704537	6604-3	Glass	1.400 to 1.650	165mm	0.005
704538	6604-4	Glass	1.600 to 1.850	165mm	0.005
704539	6604-5	Glass	1.800 to 2.050	165mm	0.005
700433	61800-0200	Plastic	1.050 to 1.220	300mm	0.002
SPECIFIC GRAVITY/BAUME HYDROMETERS; MEASURE LIQUIDS HEAVIER THAN WATER					
704557	6609-9	Glass	0 to 25° Baume	305mm	0.02
BATTERY HYDROMETER & SIPHON SET; MEASURE BATTERY ACID					
704542	6605-5	Glass and Nitrile Rubber	1.150 to 1.300	507mm	0.005
SODIUM CHLORIDE HYDROMETERS; DETERMINE SODIUM CHLORIDE CONTENT BY % SATURATION OR % WEIGHT					
704558	6611-1	Glass	0 to 100% Saturation	305mm	1.0%
704559	6611-2	Glass	0 to 26.5% Weight	305mm	0.5%

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY
700293	18988-0001	Polypropylene Hydrometer Rack	Holds up to 18 hydrometers
704361	21050-100	Hydrometer Jar	100 mL
704364	21050-250	Hydrometer Jar	250 mL
704365	21050-500	Hydrometer Jar	500 mL
704366	21050-600	Hydrometer Jar	600 mL
704362	21050-1000	Hydrometer Jar	1000 mL
704363	21050-1000-L	Hydrometer Jar, Graduated	1000 mL

Handheld Refractometers

Refractometers are exceptionally simple to operate and provide quick, accurate measurements of a solution's concentration, specific gravity or freezing point.



FEATURES & BENEFITS

- High-quality optical glass prism
- All-metal housing design allows for quick temperature equilibrium
- No tools required with the patented "Zero-Ring" calibration
- Easy-to-read, large scale with clear and sharp figures
- Screen shading and excellent contrast for great accuracy
- Rubber grip offers secure grip and guards against heat from user's hand

INCLUDES

Plastic transfer pipet, instructions manual and carrying case.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY	ATC
Sodium Chloride (%)	0 to 28%	0.2%	±0.2%	No
Salinity (%) & Seawater (SG)	0 to 100% (Salinity) / 1.000 to 1.070 (SG)	1% / 0.001	±1% / ±0.001	Yes
Antifreeze/Coolant Freezing Point and Battery Acid (SG)	-50 to 32°F (Propylene Glycol), -60 to 32°F (Ethylene Glycol), 1.10 to 1.40 SG (Battery Acid)	2°F / 0.01 SG	±2°F / ±0.01 SG	Yes



Helpful Tip

When using the sodium chloride refractometer to determine the concentration of a bleach solution, use the formula % NaCl x 0.55 = % Bleach.

C&M PART #	MFG PART #	DESCRIPTION
704237	43035	Sodium Chloride (%)
704238	43036	Salinity (%) & Seawater (SG)
704241	43064	Antifreeze/Coolant Freezing Point and Battery Acid (SG)

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
704438	43RP-008	Soft Fabric Carrying Case for Handheld Refractometers

Hach Chlorine Test Kits



Hach Chlorine Test Kits quickly and accurately measure free and total chlorine levels in the field or lab. Single-range, dual-range and triple-range kits are available. C&M Part # 700004 also determines pH using phenol red indicator solution (pH 6.5 to 8.5 with 0.1 pH resolution).

INCLUDES

Reagents, color disc, color comparator box, plastic tube, instruction sheet and carrying case.

SPECIFICATIONS

	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)
Single-Range Kits	0.2 to 3.4	0.1	5
Dual-Range Kit	0.02 to 0.68; 0.1 to 3.4	0.02; 0.1	5
Triple-Range Kit	0.02 to 0.68; 0.1 to 3.4; 0.5 to 10	0.02; 0.1; 0.5	5

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700001	223102	Single-Range Free Chlorine Kit, Model CN-66F	100
700002	223103	Single-Range Total Chlorine Kit, Model CN-66T	100
700003	223101	Single-Range Free & Total Chlorine Kit, Model CN-66	50 Each
700004	1411100	Single-Range Free & Total Chlorine and pH Kit, Model CN-67	100 Each
700005	1454200	Dual-Range Free & Total Chlorine Kit, Model CN-70	100 Each
700006	2129000	Triple-Range Chlorine Test Kit, Model CN-80	100 Each

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
7000140121F9	1407799	DPD Free Chlorine Powder Pillows for 5 mL Sample	100
7000140122F9	1407699	DPD Total Chlorine Powder Pillows for 5 mL Sample	100
700009	21132	Phenol Red, Marked Dropper Bottle, 100 mL (For 700004 only)	100
700010	4660004	Plastic Viewing Tubes with Caps, Pack of 4	-
700011	173006	Glass Viewing Tubes, Pack of 6	-
700012	173106	Glass Viewing Tube Stoppers, Pack of 6	-

Hach Chlorine Test Strips

Hach Chlorine Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

C&M PART #	PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
701875 & 701922	Free & Total Chlorine	0 to 10	0, 0.5, 1, 2, 4, 10
701978	Free Chlorine	0 to 600	0, 25, 50, 100, 200, 400, 600

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701875	2745050	Free & Total Chlorine Test Strips	50
701922	2793944	Free & Total Chlorine Test Strips	250
701978	2890200	Free Chlorine Test Strips	100

Hach Chlorine Standard Solutions



[700988](#)



[701772](#)

Use these chlorine standard solutions for accuracy checks in chlorine determinations. Sealed ampules prevent accidental contamination. Lot-specific concentrations are displayed on the labels.

C&M PART #	MFG PART #	DESCRIPTION	VOLUME (mL)	CONCENTRATION (mg/L CL ₂)	# OF AMPULES
701772	2630020	PourRite Ampules	2	25 to 30	20
700989	1426820	PourRite Ampules	2	50 to 75	20
700988	1426810	Voluette® Ampules	10	50 to 75	16

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701631	2484600	PourRite™ Ampule Breaker
701291	2196800	Voluette Ampule Breaker

Hach Total Chlorine Drop Count Test Kits



Hach Total Chlorine Drop Count Test Kits quickly and accurately measure total chlorine levels in the field or lab. The drop count titration method offers a safe, economical and simple way to measure chlorine concentrations.

INCLUDES

Chlorine reagent set, sodium thiosulfate standard solution, sulfamic acid powder pillows, sulfite one-reagent powder pillows (C&M Part # [700863](#)) or potassium iodide powder pillows (C&M Part # [701593](#)), square mixing bottle, plastic measuring tube and carrying case.

SPECIFICATIONS

C&M PART #	RANGE (mg/L)	INCREMENTS (mg/L)
700863	0.2 to 4; 1 to 20	0.2; 1
701593	10 to 200	10

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700863	225401	Chlorine (Total) Test Kit, Model CN-65	100
701593	2444400	Chlorine (Total) Test Kit, Model CN-21P	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701581	2438600	Chlorine (Total) Reagent Set for CN-65 Test Kit
701578	2437700	Chlorine (Total) Reagent Set for CN-21P Test Kit

Hach SwifTest™ DPD Reagent Dispensers



The Hach SwifTest DPD Dispensers offer a fast and easy way to dispense reagent powder. A simple squeeze of the trigger dispenses the perfect amount every time.

FEATURES & BENEFITS

- Ideal for high-volume chlorine testing
- Reduce the cost of testing with reagent refills
- Accepts 10 mL samples

INCLUDES

SwifTest dispenser and reagent.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700018	2802300	SwifTest Dispenser, DPD (Free) Chlorine	250
700019	2802400	SwifTest Dispenser, DPD (Total) Chlorine	250

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700026	2105560	SwifTest Refill Vial, DPD (Free), 10 mL Sample	250
700027	2105660	SwifTest Refill Vial, DPD (Total), 10 mL Sample	250

HOW TO ORDER



ONLINE

supply.coreandmain.com



TELEPHONE

1-888-885-2673



EMAIL

support.supply@coreandmain.com

HOURS OF OPERATION: M-F; 6 A.M. to 7 P.M. CST

Hach Chlorine DR300 Pocket Colorimeters

The Hach Chlorine DR300™ Pocket Colorimeter™ maintains Hach's legacy of reliable chlorine testing for drinking water and wastewater applications while providing state-of-the-art features. Meters are available in Low-Range/High-Range (LR/HR) and Mid-Range/High-Range (MR/HR) concentrations.



FEATURES

- Accurately measure free and total chlorine using US EPA accepted methods
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, two glass 10 mL sample cells, two plastic high-range 10 mL sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Chlorine
METHOD	DPD
LR/HR RANGE (mg/L)	0.02 to 2.00 (LR); 0.1 to 8.0 (HR)
MR/HR RANGE (mg/L)	0.05 to 4.00 (MR); 0.1 to 10.0 (HR)
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

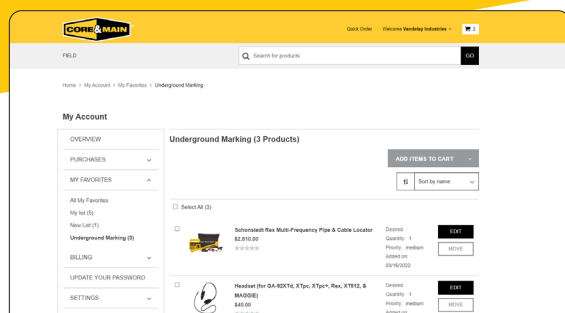
- EPA Compliant, IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
DR300 CHLORINE POCKET COLORIMETERS			
700013	LPV445.97.00110	DR300 LR/HR Chlorine Colorimeter	-
700022	LPV445.97.62110	DR300 MR/HR Chlorine Colorimeter	-
REAGENTS & STANDARDS FOR DR300 LR/HR CHLORINE POCKET COLORIMETER			
7000140121N8	2105569	Powder Pillows, DPD (Free), 10 mL Sample	100
7000140321N8	2105528	Powder Pillows, DPD (Free), 10 mL Sample	1000
7000140122N8	2105669	Powder Pillows, DPD (Total), 10 mL Sample	100
7000140322N8	2105628	Powder Pillows, DPD (Total), 10 mL Sample	1000
700018	2802300	SwifTest Dispenser, DPD (Free), 10 mL Sample	250
700019	2802400	SwifTest Dispenser, DPD (Total), 10 mL Sample	250
700020	2635300	SpecCheck™ Secondary Chlorine Standards LR (0 to 2.0 mg/L)	-
700021	2893300	SpecCheck™ Secondary Chlorine Standards HR (0 to 8.0 mg/L)	-
REAGENTS & STANDARDS FOR DR300 MR/HR CHLORINE POCKET COLORIMETER			
7000140121X2	1407099	Powder Pillows, DPD (Free), 25 mL Sample	100
7000140122X2	1406499	Powder Pillows, DPD (Total), 25 mL Sample	100
700025	2980500	SpecCheck™ Secondary Chlorine Standards MR (0 to 4.0 mg/L)	-
700021	2893300	SpecCheck™ Secondary Chlorine Standards HR (0 to 8.0 mg/L)	-

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700026	2105560	SwifTest Refill Vial, DPD (Free), 10 mL Sample
700027	2105660	SwifTest Refill Vial, DPD (Total), 10 mL Sample
700624	34332	Potassium Iodide Solution, 100 mL
700725	104732	Sodium Arsenite Solution, 100 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6
700029	4864302	Plastic High-Range Sample Cells, 10 mL, Pack of 2

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Hach Chlorine & pH DR300 Pocket Colorimeter

The Hach Chlorine & pH DR300™ Pocket Colorimeter™ maintains Hach's legacy of reliable chlorine and pH testing for process control while providing state-of-the-art features.

FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, two glass 10 mL sample cells, two plastic high-range 10 mL sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Chlorine
METHOD	DPD (chlorine); Phenol Red (pH)
CHLORINE RANGE (mg/L)	0.1 to 10.0
PH RANGE	6.0 to 8.5
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67



C&M PART #	MFG PART #	DESCRIPTION	# TESTS
DR300 CHLORINE & PH POCKET COLORIMETER			
700097	LPV445.97.12110	DR300 Chlorine & pH Colorimeter	-
REAGENTS & STANDARDS FOR DR300 CHLORINE & PH POCKET COLORIMETER			
7000140121X2	1407099	Powder Pillows, DPD (Free), 25 mL Sample	100
7000140122X2	1406499	Powder Pillows, DPD (Total), 25 mL Sample	100
701783	2657512	Phenol Red Solution, Spec Grade, 50 mL	-
700021	2893300	SpecCheck Secondary Chlorine Standards HR (0 to 8.0 mg/L)	-
700922	1222220	pH 7.00 Buffer, Colorless, 25 mL	-

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700624	34332	Potassium Iodide Solution, 100 mL
700725	104732	Sodium Arsenite Solution, 100 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6
700029	4864302	Plastic High-Range Sample Cells, 10 mL, Pack of 2

Hach DPD Powder Pillows



Use these Hach DPD Powder Pillows with any Hach colorimeter that measures chlorine.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	SAMPLE SIZE	# TESTS
7000140121F9	1407799	DPD (Free)	5 mL	100
7000140321F9	1407728	DPD (Free)	5 mL	1000
7000140121N8	2105569	DPD (Free)	10 mL	100
700031	2105503	DPD (Free)	10 mL	300
7000140321N8	2105528	DPD (Free)	10 mL	1000
7000140121X2	1407099	DPD (Free)	25 mL	100
7000140321X2	1407028	DPD (Free)	25 mL	1000
7000140122F9	1407699	DPD (Total)	5 mL	100
7000140322F9	1407628	DPD (Total)	5 mL	1000
7000140122N8	2105669	DPD (Total)	10 mL	100
700034	2105603	DPD (Total)	10 mL	300
7000140322N8	2105628	DPD (Total)	10 mL	1000
7000140122X2	1406499	DPD (Total)	25 mL	100
7000140322X2	1406428	DPD (Total)	25 mL	1000



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Hach Chlorine Dioxide DR300 Pocket Colorimeter



The Hach Chlorine Dioxide DR300™ Pocket Colorimeter™ maintains Hach's legacy of reliable chlorine testing for drinking water and wastewater applications while providing state-of-the-art features.

FEATURES & BENEFITS

- Accurately measure chlorine dioxide using US EPA accepted methods
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Chlorine Dioxide
METHOD	DPD/Glycine
RANGE (mg/L)	0.05 to 5.00
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- EPA Compliant, IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700098	LPV445.97.51110	DR300 Chlorine Dioxide Colorimeter	-
701911	2770900	Chlorine Dioxide Reagent Set	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
7000140121N8	2105569	Powder Pillows, DPD (Free), 10 mL Sample, Pack of 100
701901	2762133	Glycine Reagent, 29 mL SCDB
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Hach 5-in-1 Test Strips

Measure five parameters at the same time with Hach 5-in-1 Test Strips. Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE	INCREMENTS
Free Chlorine	0 to 10 mg/L	0, 0.5, 1.0, 2.0, 4.0, 10.0 mg/L
Total Chlorine	0 to 10 mg/L	0, 0.5, 1.0, 2.0, 4.0, 10.0 mg/L
Total Hardness as CaCO ₃	0 to 425 mg/L	0, 25, 50, 120, 250, 425 mg/L
Total Hardness as CaCO ₃	0 to 25 gpg*	0, 1.5, 3, 7, 15, 25 gpg*
Total Alkalinity as CaCO ₃	0 to 240 mg/L	0, 40, 80, 120, 180, 240 mg/L
pH	6.2 to 8.4 pH	6.2, 6.8, 7.2, 7.8, 8.4 pH

*gpg = grains per gallon **1 gpg = 17.1 mg/L (ppm)

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701888	2755250	5-in-1 Test Strips	50

Core & Main Conductivity/TDS Standards

Pre-mixed potassium chloride standards are NIST-certified and verified for accuracy. All references are at 25°C.



C&M PART #	CONDUCTIVITY (µS)	SALINITY (ppm NaCl)	SIZE (mL)
706849	10	4.8	500
706850	23	10.7	500
706851	84	38.04	500
706852	447	215.5	500
706855	1413	702.1	500
706856	1500	737.1	500
706857	2764	1414.8	500
706860	8974	4487	500
706862	12,880	7400	500
706863	15,000	8532	500

Hach HQ1140 Portable Conductivity/Salinity/TDS Meters



The Hach HQ1140™ Portable Conductivity/Salinity/TDS Meter is a dedicated single-channel meter for measuring conductivity, salinity, total dissolved solids (TDS) and temperature. Use meter with various Hach IntelliCAL® smart probes. Probes retain its calibration history and method settings for reduced setup time.

FEATURES & BENEFITS

- Automatically recognizes the type of IntelliCAL smart probe connected
- View measured parameter, temperature, calibration status and probe name on the large TFT color display
- Step-by-step illustrated calibration and troubleshooting instructions reduce errors
- Store up to 5000 measurements with date, time, sample ID, operator ID and calibration
- Export data to a PC or USB storage device via USB connection

INCLUDES

Meter Only includes: HQ1140 Portable Meter, batteries, USB wall charger, USB adapter cable and operating manual. One-year warranty. Meter Kits also include: IntelliCAL conductivity probe, carrying case, 280 disposable wipes, three 90 mL containers, and 20 Singlet® single-use conductivity standard pouches (1413 uS/cm).



SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
Conductivity	0.01 µS/cm to 200 mS/cm	0.01; Range-dependent	±0.5% of Range
Salinity	0 to 42 ppt or ‰	0.01; Range-dependent	±0.1, ±1 Digit
TDS	0.01 mg/L to 50.0 g/L	0.01; Range-dependent	±0.5%, ±1 Digit
Temperature	-10.0 to 110.0°C	0.1°C	±0.3°C
Battery Life	140 hours		
Battery Type	Rechargeable lithium ion battery		

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
700082	LEV015.53.1140A	Meter Only
703522	LEV015.53.11401	Meter Kit with Laboratory Conductivity Probe (CDC40101)
703523	LEV015.53.11402	Meter Kit with Rugged Conductivity Probe (CDC40105)

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700090	CDC40101	IntelliCAL Laboratory Conductivity/Salinity/TDS Electrode, 1 m Cable
700091	CDC40105	IntelliCAL Rugged Conductivity/Salinity/TDS Electrode, 5 m Cable
701019	1440042	Sodium Chloride Standard Solution, 491 mg/L NaCl (1000 µS/cm), 100 mL

Hach Copper Test Strips

Hach Copper Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Copper	0 to 3	0, 0.2, 0.5, 1, 3

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701876	2745125	Copper Test Strips	25

Hach Calcium Hardness Reagent Sets

This reagent set is for the determination of calcium hardness by the EDTA Buret Titration Method (Hach method 8222).



INCLUDES

CalVer 2 calcium indicator powder pillows, potassium hydroxide solution (8 N) and TitraVer® (EDTA) titrant.

C&M PART #	MFG PART #	DESCRIPTION	RANGE (mg/L as CaCO ₃)	# TESTS
701598	2447000	Hardness (Calcium) Reagent Set	0 to 5000	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
702747	28232H	Potassium Hydroxide Standard Solution, 8.00 N, 100 mL	100
700701	94799	CalVer 2 Calcium Indicator Powder Pillows	100
700587	20553	EDTA Standard Solution, 0.0200N, 1L	40 to 100



Hach Total Hardness Test Kit

Hach Total Hardness Test Kit uses a digital titrator to provide precise and accurate water hardness measurements for boiler and cooling tower applications. Rugged titration device does not require glass burets, making it ideal for field use.

INCLUDES

Digital titrator, reagents, labware, manual and carrying case



SPECIFICATIONS

RANGE (mg/L)	ACCURACY
10 to 4000 as CaCO ₃	+/-1% for readings over 100 digits; +/-1 digit under 100 digits

C&M PART #	MFG PART #	DESCRIPTION
701112	2063600	Total Hardness Test Kit, Model HA-DT

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701371	2272000	Hach Hardness (Total) Reagent Set
700639	42432	Hach Hardness 1 Buffer Solution, 100 mL
700663	50546	Hach Flask, Erlenmeyer, Glass 250 mL
700683	85199	Hach Manver 2 Hardness Indicator Powder Pillows, 50 mL Sample, Pack of 100
701002	1436401	Hach EDTA Digital Titrator Cartridge, 0.0800 M
701017	1439901	Hach EDTA Digital Titrator Cartridge, 0.800 M
701073	1690002	Hach Digital Titrator without Case
701076	1720500	Hach Delivery Tubes for Digital Titrator, Pack of 5
701118	2064342	Hach Low-Form Graduated Cylinder, 100 mL

Hach Hardness Titrants, Buffers & Indicators

These high-quality chemicals from Hach can be used to perform various hardness level tests on water samples. EDTA solution should be used as a titrant during hardness buret titrations.



C&M PART #	MFG PART #	DESCRIPTION
700639	42432	Hardness 1 Buffer Solution, 100 mL MDB
700640	42449	Hardness 1 Buffer Solution, 500 mL
700641	42453	Hardness 1 Buffer Solution, 1L
700642	42532	Hardness 2 Indicator Solution, 100 mL MDB
700643	42549	Hardness 2 Indicator Solution, 500 mL
700645	42649	Hardness 3 Titrant Solution, EDTA, 0.03N, 500 mL
700646	42653	Hardness 3 Titrant Solution, EDTA, 0.03N, 1L
700587	20553	EDTA Standard Titrant Solution, 0.02N, 1L
700588	20556	EDTA Standard Titrant Solution, 0.02N, 4L

Hach Hardness Test Kits

These original Hach Hardness Test Kits use simple drop-count titration to measure water hardness to provide results as CaCO₃ in grains per gallon.



INCLUDES

Reagents for approximately 100 tests, reagent spoon, sample test tube, mixing bottle, manual, and carrying case (C&M PN [700753](#) does not come with carrying case).

SPECIFICATIONS

C&M PART #	RANGE*	RESOLUTION**	SAMPLE SIZE (ML)
700753	1 to 30 gpg CaCO ₃	1 gpg	5.83
700754	1 to 30 gpg CaCO ₃	1 gpg	5.83
700755	20 to 400 mg/L	20 mg/L	5.83
700752	1 to 20 mg/L; 1 to 20 gpg CaCO ₃	1 gpg; 1 mg/L	5.83

*gpg = grains per gallon **1 gpg = 17.1 mg/L (ppm)

C&M PART #	MFG PART #	DESCRIPTION
700753	145300	Hach Model 5-B Total Hardness Test Kit
700754	145400	Hach Model 5-EP Total Hardness Test Kit
700755	145401	Hach Model 5-EP MG-L Total Hardness Test Kit
700752	145201	Hach Model HA-71A Total Hardness Test Kit

Hach Iron Test Kits

Use the Hach Iron Test Kits to quickly measure iron levels in the lab or in the field. Simply place your sample in the comparator box after mixing in the reagent and match the color of the sample with the color disc to determine the concentration.



INCLUDES

Color disc, color comparator box, viewing tube, syringe, reagents for 100 tests, instructions manual and carrying case.

SPECIFICATIONS

C&M PART #	RANGE (mg/L)	INCREMENTS (mL)	SAMPLE SIZE (mL)
700759	0.1 to 4	0.1	5
700760	0 to 7	0.2	5

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700759	146400	Low-range Iron Test Kit, Model IR-18	100
700760	146401	High-range Iron Test Kit, Model IR-18B	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700695	92799	FerroVer® Iron Reagent Powder Pillows, 5 mL	100
700010	4660004	Plastic Viewing Tubes w/ Caps, 4/pk	

Hach Total Iron Test Strips

Hach Total Iron Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Total Iron	0 to 5	0, 0.15, 0.3, 0.6, 1, 2, 5

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701878	2745325	Iron Test Strips, Total Dissolved Iron	25

Hach Replacement Reagents for Iron Test Kits

Hach Replacement Reagents for Iron Test Kits work with multiple iron test kits. Each package containing enough reagent for 100 tests.



C&M PART #	MFG PART #	DESCRIPTION	RANGE (mg/L Fe)	# TESTS
701380	2275699	TPTZ Reagent Powder Pillows, 25 mL Sample	0.012 to 1.800	100
700695	92799	FerroVer Reagent Powder Pillows, 5 mL Sample	0 to 5; 0 to 10	100
701203	2105769	FerroVer Reagent Powder Pillows, 10 mL Sample	0.02 to 3.00	100
700686	85499	FerroVer Reagent Powder Pillows, 25 mL Sample	0.02 to 3.00	100

POPULAR HACH CHEMISTRIES & KITS



For a complete selection of Hach Chemistries and Kits, see **pages 11-23**.

Hach Iron DR300 Pocket Colorimeters

The Hach Iron DR300 Pocket Colorimeter maintains Hach's legacy of reliable iron testing for EPA-compliance and process control applications while providing state-of-the-art features.



FEATURES & BENEFITS

- Accurately measure iron using US EPA accepted FerroVer methods
- Measure low-level iron for process control using TPTZ methods
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Iron
METHOD	Ferrover (EPA Compliant); TPTZ (Process Control)
FERROVER RANGE (mg/L Fe)	0.02 to 5.00
TPTZ RANGE (mg/L Fe)	0.01 to 1.70
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- EPA Compliant, IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
DR300 IRON POCKET COLORIMETERS			
700099	LPV445.97.22110	DR300 Iron Pocket Colorimeter, FerroVer	-
700100	LPV445.97.16110	DR300 Iron Pocket Colorimeter, TPTZ	-
REAGENTS FOR DR300 IRON POCKET COLORIMETER, FERROVER (US EPA COMPLIANT)			
701203	2105769	Iron FerroVer Powder Pillow	100
701202	2105728	Iron FerroVer Powder Pillow	1000
701654	2507025	FerroVer AccuVac® Ampules	25
REAGENTS FOR DR300 IRON POCKET COLORIMETER, TPTZ (PROCESS CONTROL)			
701750	2608799	Iron TPTZ Powder Pillow	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

BART Iron Biodetectors

Biological Activity Reaction Test (BART™) biodetectors are excellent diagnostic tools to help identify the presence of process disruptors, such as iron-reducing bacteria (IRB). Bacterial presence is indicated by a color change. The time taken for the color change to occur indicates the population size and activity.



FEATURES & BENEFITS

- Easy to use—no elaborate or costly equipment and no specialized training required
- Effective and affordable tests are easy to interpret and can be performed virtually anywhere

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701561	2432309	BART Test for Iron-Related Bacteria	9
701562	2432327	BART Test for Iron-Related Bacteria	27

Hach Iron & Manganese Test Kit

When customers complain of stained and dingy laundry, use the Hach Iron & Manganese Test Kit to perform quick tests for iron and manganese levels. Simply place your sample in the comparator box after mixing in the reagent and match the color of the sample with the color disc to determine the concentration.



INCLUDES

Color comparator box, two viewing tubes, sample bottle, bottle brush, two color discs, 100 iron reagents, 100 manganese reagents, instruction manual and carrying case.

SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Iron	0 to 5	0.1
Manganese	0 to 3	0.1

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700758	146300	Iron & Manganese Color Disc Test Kit, Model IR-20	100 Each

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700695	92799	FerroVer Iron Reagent Powder Pillows	100
700708	98399	Citrate Buffer Powder Pillows for Manganese	100
700709	98499	Sodium Periodate Powder Pillows for Manganese	100

Hach Manganese DR300 Pocket Colorimeter



The Hach Manganese DR300 Pocket Colorimeter maintains Hach's legacy of reliable manganese testing for EPA-compliance while providing state-of-the-art features.

FEATURES & BENEFITS

- Accurately measure manganese using US EPA accepted methods
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Manganese
METHOD	Periodate Oxidation
RANGE (mg/L)	0.2 to 20.0
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- EPA Compliant, IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700101	LPV445.97.15110	DR300 Manganese Pocket Colorimeter	-
701559	2430000	High-Range Manganese Reagent Set	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701226	2107669	Citrate Buffer Powder Pillows
701227	2107769	Sodium Periodate Powder Pillows
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6



Helpful Tip: Media Selection Guide

Use the following guide to find the correct media for your microbiological testing:

WASTEWATER

MEMBRANE FILTRATION		
Organism	Presumptive Media	Confirmation Media
Fecal Coliform	m-FC Broth	None
	m-FC w/Rosolic Acid	None
MOST PROBABLE NUMBERS		
Organism	Presumptive Media	Confirmation Media
Fecal Coliform	Lauryl Tryptose (LT) Broth (Concentrated)	EC Medium
	A-1 Medium Broth	None

DRINKING WATER

PRESENCE/ABSENCE		
Organism	Presumptive Media	Confirmation Media
Total Coliform	P/A Broth	Brilliant Green Bile Broth
Fecal Coliform	P/A Broth	EC Medium Tubes
<i>E. coli</i>	P/A Broth	EC Medium w/ MUG
MEMBRANE FILTRATION		
Organism	Presumptive Media	Confirmation Media
Total Coliform	m-Endo	Lauryl Tryptose Broth (single-strength) & Brilliant Green Bile Broth
Fecal Coliform	m-Endo	EC Medium Tubes
<i>E. coli</i>	m-Endo	EC Medium w/ MUG
Total Coliform & <i>E. coli</i>	m-ColiBlue24®	None
MOST PROBABLE NUMBERS		
Organism	Presumptive Media	Confirmation Media
Total Coliform	Lauryl Tryptose Broth (concentrated)	Brilliant Green Bile Broth
Fecal Coliform	Lauryl Tryptose Broth (concentrated)	EC Medium Tubes
	or Lactose Broth	None
<i>E. coli</i>	Lauryl Tryptose Broth (concentrated)	EC Medium w/ MUG
	or LT Broth w/MUG	None
Fecal <i>Streptococci</i>	Azide Dextrose Broth	None

MilliporeSigma® ReadyCult Rapid *E. Coli* Coliform Tests



**MILLIPORE
SIGMA**

MilliporeSigma ReadyCult® Coliforms 100 is a chromogenic medium that provides easy-to-read, definitive positive results for coliforms and *E. coli*. High nutritional quality of the peptones along with incorporated phosphate buffer guarantees rapid growth of coliforms, while lauryl sulfate largely inhibits the accompanying flora (especially Gram-positive bacteria). The chromogenic substrates X-GAL (cleaved by coliforms) and the fluorogenic substrate MUG (highly specific for *E. coli*) allow for the simultaneous detection of total coliforms and *E. coli*. A color change to blue-green indicates coliforms presence; a blue fluorescence under UV-light indicates *E. coli* presence. An optional 30-second indole reaction provides added confirmation for the presence of *E. coli*.

SPECIFICATIONS

INCUBATION TIME	24 Hours at 35 to 37°C
SAMPLE SIZE	100 mL
INITIAL COLOR	Pale Yellow
POSITIVE FOR COLIFORMS	Blue/Green
POSITIVE FOR <i>E. COLI</i>	Fluorescent (Requires UV Lamp); Kovac's Indole Reagent (Optional)

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706081	1.01298.0001	ReadyCult® Coliforms 100 for 100 mL Samples	20
706082	1.11350.0001	Bactident™ Indole Reagent Dropper Bottle	30 mL
706083	1.09293.0100	KOVACS' Indole Reagent	100 mL

Local Knowledge
Local Experience
Local Service, Nationwide®

Count on Core & Main to provide a quality product assortment from trusted brands, access to industry and product experts, and best-in-class service.



Hach Prepared Media for Membrane Filtration

Use Hach Prepared Media to eliminate measuring, mixing and autoclaving steps necessary to prepare dehydrated media. Glass ampules, plastic ampules, 100 mL bottles and agar plates afford maximum shelf life and ease of use for premeasured and prepared media. Note: all items require refrigeration upon receipt.

m-ColiBlue24* detects total coliforms and *E. coli* on one petri dish. Red and blue colonies indicate total coliforms and blue colonies specify *E. coli*. This is an EPA-accepted method for drinking water and wastewater testing. No confirmation testing or observation under UV lamp is required.

m-Endo broth detects total coliform bacteria (colonies with a greenish-gold sheen). For potable water samples, confirm with Lauryl Tryptose and Brilliant Green Bile Broth tubes. Samples that test positive for total coliform bacteria should be further analyzed for the presence of fecal coliform or *E. coli* using EC Medium or EC Medium with MUG respectively.

m-FC detects fecal coliforms (blue colonies) in non-potable water.

m-FC with Rosolic Acid offers increased specificity for fecal coliforms in non-potable water and wastewater when high levels of non-coliform bacteria may be present. Do not use if organisms are stressed or injured.

m-HPC (Heterotrophic Plate Count) estimates the number of live heterotrophic bacteria in water. This test can provide useful information about water quality and supporting data on the significance of coliform test results. High concentrations of the general bacterial population may hinder the recovery of coliforms. HPC is useful in judging the efficiency of various treatment processes for both drinking water and swimming pools, and for checking the quality of finished water in a distribution system.

R2A is used to detect stressed heterotrophic bacteria in water.

m-TEC uses modified m-TEC Agar to find *E. coli* bacteria in water samples. The modified m-TEC Agar has an enzymatic substrate, which is bonded to form colonies. Red or magenta colonies indicate *E. coli* presence in the sample. A confirmation procedure is not necessary with this method.



[701747](#)



[701493](#)

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	PACKAGE	# TESTS
701747	2608420	m-ColiBlue24	PourRite Glass Ampules	20
701749	2608450		Plastic Ampules	50
701748	2608442		100 mL Bottle	50
701931	2805215		Agar Plates, Pack of 15	15
701494	2373520	m-Endo	PourRite Glass Ampules	20
701496	2373550		Plastic Ampules	50
701495	2373542		100 mL Bottle	50
701935	2811615		Agar Plates, Pack of 15	15
701492	2373220	m-FC	PourRite Glass Ampules	20
701493	2373250		Plastic Ampules	50
701934	2811515		Agar Plates, Pack of 15	15
701550	2428520	m-FC with Rosolic Acid	PourRite Glass Ampules	20
701551	2428550		Plastic Ampules	50
701941	2812450	m-HPC	Plastic Ampules	50
701940	2812350	R2A	Plastic Ampules	50
701937	2811815	m-TEC	Modified Agar Plates, Pack of 15	15

ANSELL MICROFLEX GLOVES

Over twenty different varieties for the lab and plant.

MICROFLEX™

See **pages 102-108.**



Hach Presence/Absence Broth

Hach's Presence/Absence Broth provides an easy-to-use test for screening water samples for the presence of total coliform bacteria. Simply combine the P/A broth with your sample and incubate for 24 to 48 hours at 35°C (±0.5°C). A color change to yellow or yellow brown indicates presence of coliform bacteria. Use our Media Selection Guide to select the proper reagents to identify and confirm specific contaminants, or select from the list below.



Note: Use Brilliant Green Bile Tubes (PN [700621](#)) to confirm the presence of total coliforms; EC Medium (PN [700952](#)) to confirm the presence of fecal coliforms; and EC medium with MUG (PN [701626](#)) to confirm the presence of *E. coli* bacteria.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
701436	2323212	Presence/Absence Test Bottles	12
701437	2323250	Presence/Absence Test Bottles	50
701639	2494925	Presence-Absence Broth Ampules	25
701517	2401612	Presence/Absence Test Bottles with MUG	12
701518	2401650	Presence/Absence Test Bottles with MUG	50
701643	2495525	Presence/Absence Broth Ampules with MUG	25

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700621	32215	Brilliant Green Tubes	15
700952	1410415	EC Medium MPN Tubes	15
701626	2471515	EC Medium with MUG Tubes w/o Durham tubes	15
701693	2564000	Ampule Breaker	1

Hach Most Probable Numbers Media

See our Media Selection Guide for additional information on how to select the proper reagent to identify and confirm specific contamination.



CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701691	2560915	A-1 Medium Broth MPN Tubes	15
700621	32215	Brilliant Green Tubes	15
700952	1410415	EC Medium MPN Tubes	15
701626	2471515	EC Medium with MUG Tubes w/o Durham tubes	15
701385	2282415	EC Medium with MUG Tubes w/ Durham tubes	15
701261	2162315	Lauryl Tryptose Broth Tubes	15
701199	2101415	Lauryl Tryptose Broth MPN Tubes, Concentrated	15
701270	2182115	Lauryl Tryptose w/MUG Broth Tubes, Concentrated	15
701302	2217515	Lauryl Tryptose w/MUG Broth Tubes, Single Strength	15
701694	2564325	Tryptic Soy Broth Bottles, 100 mL	25
701752	2610796	Pathoscreen Powder Pillows, 20 mL	100
701381	2277700	Total Bacteria Media Set	15

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
705458	HS81121D	Inoculating Loops, 10 µL, Pack of 20
704763	B01040	Whirl-Pak® Thio-Bags®, 4 oz, Box of 100

NEED HELP FINDING AN ITEM?



Core & Main has access to thousands of products from hundreds of suppliers.

Check out our full assortment of products and suppliers online at supply.coreandmain.com or speak with one of our customer service representatives at **1-888-885-2673**.



Hach Dilution Water Products

Hach dilution water products are ready for use in convenient premixed sterile bottles or concentrated water pillows.

*Water pillows must be diluted to one liter with deionized water prior to use.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
701427	2319109	Butterfield's Buffered Phosphate, 90 mL	1
701429	2319125	Butterfield's Buffered Phosphate, 90 mL	25
701430	2319145	Butterfield's Buffered Phosphate, 450 mL	1
701428	2319110	Butterfield's Buffered Phosphate, 450 mL	10
700996	1430598	Magnesium Chloride/Potassium Phosphate Buffer, 99 mL	25
701255	2143166	Buffered Dilution Water Pillows*	25

Magnetic Filter Holder for 47-mm Filters

This magnetic filter holder features a unique two-layer magnet creating a tight seal between the funnel and support base holding a membrane disc filter. The user-friendly design allows one-handed operation and prevents possible twisting and tearing of the filter membrane. Attach the included hose barb to the base for a direct connection to a vacuum source; connect to a standard filter flask using the included silicone rubber stopper. Constructed of durable Polyethersulfone (PES), the filter holder is sturdy, autoclavable and resistant to a limited range of solvents.



INCLUDES

Silicone stopper (size 8) and hose barb (4 to 8 mm)

C&M PART #	MFR PART #	DESCRIPTION	SIZE (mL)
706088	1220193	Magnetic Filter Funnel with Lid	300



Helpful Tip: Total Coliform & Fecal Coliform Testing

Coliform Bacteria

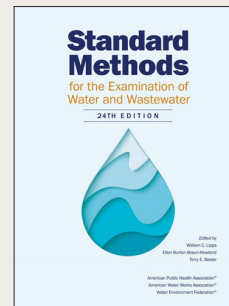
Total coliform counts give a general indication of the sanitary condition of a water supply and therefore the adequacy of the water treatment process. The acceptable levels for total coliform bacteria for drinking water is <1 or zero colony forming units per 100 mL of water sample. If a sample tests positive for total coliforms, then it must also be tested for fecal coliforms or *E. coli*. Due to potential outbreaks of infections such as *E. coli*, the EPA and state drinking water agencies strictly enforce coliform testing requirements.

Membrane Filtration (MF) Method

The membrane filtration method offers a quick way to estimate coliform levels. The MF method uses a membrane with 0.45-µm pore size that prevents bacteria from passing through. The membrane filter is then placed on an absorbent pad in a petri dish saturated with a culture medium, which is selective for coliform growth. The petri dish is then incubated upside down for 24 hours at the appropriate temperature. After incubation, any colonies that have grown are counted using a microscope. The only differences between testing total and fecal coliforms are in the media type and the incubation parameters, as shown below:

TOTAL COLIFORMS	FECAL COLIFORMS
35 ± 0.5°C on m-Endo media	44.5 ± 0.2°C on m-FC media

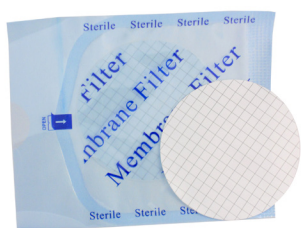
The following table is a good starting point for the equipment and reagents that you will need to carry out a membrane filtration test. Use the *Standard Methods for the Examination of Water and Wastewater* to find the suitable test procedure and determine which of the items below will be required.



[706037](#)

C&M PART #	DESCRIPTION	C&M PART #	DESCRIPTION
704763	Whirl-Pak® Thio-Bags	706329	Curved Forceps w/ Medium Fine Tip
706878	Autoclave	701192	Alcohol Burner
706088	Magnetic Filter Funnel with Lid, 300 mL	707088	Isopropanol
704317	Glass Filter Flask	705646	Laboratory Incubator
706629	Vacuum Pump	706682	Coliform Water Bath
706877	Vacuum Tubing	704750	Whirl-Pak Standard Bags for Petri Dish Incubation
704409	Graduated Cylinder	700270	Flask Weight
706732	Serological Pipets	704305	Dual Magnification Stereo Microscope, Binocular
706733	Serological Pipets	700369	Hand-Held Colony Counter
700373	Pipette Bulb	700229	Clear Autoclave Bags
700996	Sterile Dilution Buffer	706037	Standard Methods for the Examination of Water and Wastewater, 24th Edition
706731	Dilution Bottle		
706092	Polystyrene Petri Dishes w/ Absorbent Pads		
706079	Sterile Membrane Filters		
701496	m-Endo Broth		
701551	m-FC w/ Rosolic Acid		

Sterile Filter Membranes



Sterile mixed cellulose ester (MCE) filter membranes provide maximum retention and recovery of microorganisms. Grid patterns facilitate counting colonies on the membrane surface.

FEATURES & BENEFITS

- Suitable for microbial analysis via membrane filtration (MF)
- Grid pattern helps with colony quantification
- Individually packaged to minimize cross contamination
- Use to determine coliform levels in potable, waste, process and natural waters using Standard Methods

SPECIFICATIONS

DIAMETER (mm)	47
PORE SIZE (µm)	0.45

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706089	66278	Pall® GN-6 Metrical® MCE Filter Membranes	200
706079	045SG-047-D	LabExact® MCE Filter Membranes	200
706080	045SG-047	LabExact® MCE Filter Membranes	1000

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706329	300-011	Stainless Steel Curved Forceps with Medium Fine Tip
706666	300-006	Stainless Steel Balance Forceps with Plastic Tips

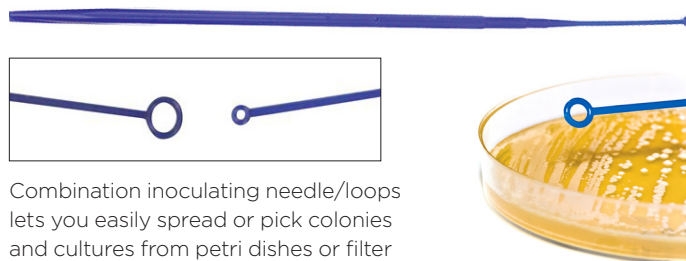
MilliporeSigma™ Sterile Petri Dishes with Petri-Pad™

Sterile petri dishes come preloaded with cellulose pad for performing coliform analysis using the membrane filtration technique. Simply dispose the dishes after analysis to eliminate accidental contamination. Each pad holds 1.8 to 2.2 mL of media.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706087	PD20047S0	Petri-Pad Dishes, 47 mm	150

Sterile Inoculating Needle/Loops



Combination inoculating needle/loops lets you easily spread or pick colonies and cultures from petri dishes or filter membranes.

FEATURES & BENEFITS

- Transfer bacterial cultures without risk of contamination.
- Use loop end to uniformly streak a gel surface; needle end for removal of colonies
- Disposable and sterile with lot-to-lot traceability

C&M PART #	MFG PART #	DESCRIPTION	LOOP SIZE (µL)	QUANTITY
705455	HS81121A	Inoculating Needle/Loops, Flexible PP	1	20
705456	HS81121B	Inoculating Needle/Loops, Rigid ABS	1	20
705457	HS81121C	Inoculating Needle/Loops, Flexible PP	10	20
705458	HS81121D	Inoculating Needle/Loops, Rigid ABS	10	20

Pall® Life Sciences Sterile Petri Dishes

These sterilized petri dishes are ideal for use while performing coliform analysis using the membrane filter technique. Unique patented design offers easy handling and storage. Easily open and close with one hand. Tight seal ensures samples stay securely in place.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706091	7242	Sterile Petri Dish, 50 x 9 mm	100
706092	7245	Sterile Petri Dish with Pad, 50 x 9 mm	100
706093	7232	Sterile Petri Dish, 50 x 9 mm	500

Swabs & Applicators

Use cotton swabs (cotton tip, hardwood stick) to transfer colonies from positive membrane filtration plates to confirmation broth.



C&M PART #	MFG PART #	DESCRIPTION	LENGTH (IN)	QUANTITY
701686	2554300	Swabs, Cotton, Presterilized	6	1000

Hach BART Biodetectors



Bacteria presence and activity is made easy with BART (Bacteria Activity Reaction Test) biodetectors. These tests are excellent diagnostic tools to help identify the presence of process disruptors. Simply add 15 mL of water to the vial with media. The BART ball limits oxygen entry to the vial depths, so aerobic organisms will grow around the ball near the surface while anaerobic organisms will grow deeper in the vial. Color change indicates bacterial presence.

INCLUDES

Test vial with media, BART ball and outer tube.

C&M PART #	MFG PART #	DESCRIPTION	COLOR	TESTS
701952	2831409	BART for Acid Producing Bacteria	Purple	9
701568	2432709	BART for Blue-Green Algae	Dark Green	9
701569	2432727	BART for Blue-Green Algae	Dark Green	27
701761	2619309	BART for Denitrifying Bacteria	Gray	9
701567	2432609	BART for Fluorescing Pseudomonas	Yellow	9
701634	2490409	BART for Heterotrophic Aerobic Bacteria	Blue	9
701635	2490427	BART for Heterotrophic Aerobic Bacteria	Blue	27
701561	2432309	BART for Iron-Related Bacteria	Red	9
701562	2432327	BART for Iron-Related Bacteria	Red	27
701762	2619407	BART for Nitrifying Bacteria	White	7
701627	2478409	BART for Pool & Spa Bacteria	Light Purple	9
701565	2432509	BART for Slime-Forming Bacteria	Lime Green	9
701566	2432527	BART for Slime-Forming Bacteria	Lime Green	27
701563	2432409	BART for Sulfate-Reducing Bacteria	Black	9
701564	2432427	BART for Sulfate-Reducing Bacteria	Black	27
701572	2434809	BART Combination Package: 3 each of Iron-Related, Sulfate-Reducing and Slime-Forming Bacteria	Rd/Blk/ Lime-Green	9

Hach Molybdenum DR300 Pocket Colorimeter

The Hach Molybdenum DR300 Pocket Colorimeter maintains Hach's legacy of reliable molybdenum testing for process control applications while providing improved state-of-the-art features.



FEATURES & BENEFITS

- Ideal for process control
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—fits easily in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Molybdenum, LR/HR
METHOD	Ternary Complex
RANGE 1 (mg/L)	0.02 to 3.00
RANGE 2 (mg/L)	0.1 to 12.0
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- EPA Compliant, IP67

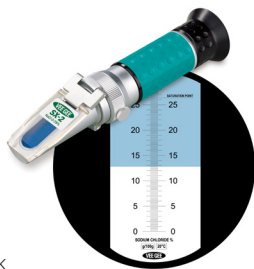
C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700102	LPV445.97.10110	DR300 Molybdenum Pocket Colorimeter	-
701611	2449400	Molybdenum LR Reagent Set	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701473	2352449	Molybdenum 1 Reagent Powder Pillows, Pack of 100
701474	2352512	Molybdenum 2 Reagent Solution, 50 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Handheld Refractometers

Refractometers are exceptionally simple to operate and provide quick, accurate measurements of a solution's concentration, specific gravity or freezing point.



FEATURES & BENEFITS

- High-quality optical glass prism
- All-metal housing design allows for quick temperature equilibrium
- No tools required with the patented "Zero-Ring" calibration
- Easy-to-read, large scale with clear and sharp figures
- Screen shading and excellent contrast for great accuracy
- Rubber grip offers secure grip and guards against heat from user's hand

INCLUDES

Plastic transfer pipet, instructions manual and carrying case.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY	ATC
Sodium Chloride (%)	0 to 28%	0.2%	±0.2%	No
Salinity (%) & Seawater (SG)	0 to 100% (Salinity) / 1.000 to 1.070 (SG)	1% / 0.001	±1% / ±0.001	Yes
Antifreeze/Coolant Freezing Point and Battery Acid (SG)	-50 to 32°F (Propylene Glycol), -60 to 32°F (Ethylene Glycol), 1.10 to 1.40 SG (Battery Acid)	2°F / 0.01 SG	±2°F / ±0.01 SG	Yes



Helpful Tip

When using the sodium chloride refractometer to determine the concentration of a bleach solution, use the formula $\% \text{NaCl} \times 0.55 = \% \text{Bleach}$.

C&M PART #	MFG PART #	DESCRIPTION
704237	43035	Sodium Chloride (%)
704238	43036	Salinity (%) & Seawater (SG)
704241	43064	Antifreeze/Coolant Freezing Point and Battery Acid (SG)

REPLACEMENT PARTS & ACCESSORIES

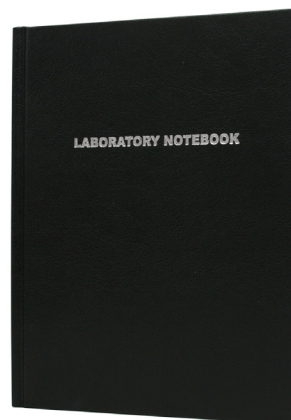
C&M PART #	MFG PART #	DESCRIPTION
704438	43RP-008	Soft Fabric Carrying Case for Handheld Refractometers

We stock
KIMTECH KIMWIPES



Check out **page 44**
for details and order information.

Check out
our selection of
LAB NOTEBOOKS



Details and order information
on **page 54**.

Vee Gee Digital Refractometers

These compact Digital Refractometers deliver quick and accurate measurements while offering excellent durability. Simply place 4 to 5 drops of your sample into the well, close the prism cover and press the "READ" button. The large LCD displays the measured parameter and temperature simultaneously. High-end performance features such as Automatic Temperature Compensation (ATC) and Continuous Loop Average Readings on all models ensure accurate and reproducible measurements.



FEATURES & BENEFITS

- Compact and lightweight—excellent for field use
- Easily view measurements on the large LCD
- Stainless steel prism well offers excellent chemical resistance
- "Zero" using distilled water
- Removable rubber grip and prism cover for easy cleaning

INCLUDES

Hard shell case, battery and instruction manual. One-year warranty.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
C&M PART # 704246 - SODIUM CHLORIDE REFRACTOMETER			
NaCl (%)	0 to 28%	0.10%	±0.2%
NaCl (ppt)	0 to 280 ppt	1 ppt	±2 ppt
Specific Gravity	1.000 to 1.217	0.001	±0.002
Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
C&M PART # 704251 - GLYCOLS/COOLANT REFRACTOMETER			
Ethylene Glycol (% v/v)	0 to 65%	0.10%	±0.5%
Ethylene Glycol Freeze Point	-50 to 0°C (-80 to 32°F)	0.1°C (0.1°F)	±0.5% (±1.0°F)
Propylene Glycol (% v/v)	0 to 73%	0.10%	±0.5%
Propylene Glycol Freeze Point	-50 to 0°C (-100 to 32°F)	0.1°C (0.1°F)	±0.5% (±1.0°F)
C&M PART # 704247 - SALINITY/SEAWATER REFRACTOMETER			
Salinity	0 to 100 ppt	1 ppt	±2 ppt
Chlorinity	0 to 57 ppt	1 ppt	±2 ppt
Specific Gravity	1.000 to 1.075	0.001	±0.002
Refractive Index	1.3330 to 1.4200 nD	0.0001 nD	±0.0003 nD
C&M PART # 704250 - BATTERY ACID/DEF (UREA) REFRACTOMETER			
Battery Acid	1.000 to 1.500 SG	0.001 SG	±0.005 SG
DEF (Urea)	0 to 55%	0.10%	±0.2%
Refractive Index	1.3330 to 1.4200 nD	0.001 nD	±0.0003 nD

C&M PART #	MFG PART #	DESCRIPTION
704246	48201	Sodium Chloride Refractometer
704251	48603	Glycols/Coolant Refractometer
704247	48202	Salinity/Seawater Refractometer
704250	48602	Battery Acid/DEF Refractometer

Hach DR300 Pocket Colorimeter Selection Guide

The Hach DR300 Pocket Colorimeter can analyze several different parameters based on the chosen model. Use the selection guide below to find the colorimeter for your application. For complete specifications, visit our website at supply.coreandmain.com. Reagents must be purchased separately.



C&M PART #	MFG PART #	PARAMETER	USEPA-COMPLIANT METHOD AVAILABLE
700095	LPV445.97.40110	Ammonia	No
700096	LPV445.97.26110	Free Ammonia & Monochloramine	No
700013	LPV445.97.00110	Free & Total Chlorine, Low-Range	Yes
700022	LPV445.97.62110	Free & Total Chlorine, Medium-Range	Yes
700097	LPV445.97.12110	Chlorine & pH	No
700098	LPV445.97.51110	Chlorine Dioxide	Yes
700099	LPV445.97.22110	Iron, FerroVer	Yes
700100	LPV445.97.16110	Iron, TPTZ	No
700101	LPV445.97.15110	Manganese	Yes
700102	LPV445.97.10110	Molybdenum	No
700103	LPV445.97.02110	Nitrate	No
700104	LPV445.97.03110	Dissolved Oxygen	No
700105	LPV445.97.04110	Ozone	No
700106	LPV445.97.06110	Phosphate	Yes
700106	LPV445.97.06110	Phosphonate	No
700107	LPV445.97.09110	Zinc	Yes

POPULAR HACH CHEMISTRIES & KITS

For a complete selection of Hach Chemistries and Kits, see **pages 11-23**.

Hach DR900 Multiparameter Colorimeters

Simplify your water testing in the field with the handheld Hach DR900™ Multiparameter Colorimeter. Meter lets you easily access up to 90 of the most-used water testing parameters and feature an intuitive user interface to make water testing in the field quick and easy. Waterproof, dustproof housing is IP67 rated, and the meter is shock-resistant and drop tested for great quality assurance. Check out our Hach Method Compatibility Guide to determine which reagent sets are compatible with the DR900.

FEATURES & BENEFITS

- Easily access up to 90 of the most common water testing procedures
- Access commonly used methods in less than four clicks
- Make selection and view measurements on the large backlit display
- Waterproof, dustproof, shock resistant and drop tested—excellent for field use
- Stores data for up to 500 tests
- USB port for easy data transfer

INCLUDES

DR900 instrument, USB cable with mini-USB connector, alkaline batteries, two glass sample cells (1" marked at 10, 20, and 25 mL), two sample cells (1 cm/10 mL), sample cell adapter and user manual. One year warranty.

SPECIFICATIONS

SOURCE LAMP	Light Emitting Diode (LED)
WAVELENGTHS (nm)	420, 520, 560 and 610
WAVELENGTH SELECTION	Automatic
OPERATING MODES	Transmittance (%), Absorbance and Concentration
SAMPLE CELL COMPATIBILITY	1 inch Round or 16 mm Round (with Adapter)
DATA LOGGER CAPACITY	500 Measured Values
DATA LOGGER PARAMETERS	Result, Date, Time, Sample ID and User ID
DISPLAY	Backlit Graphical Display, 240 x 160 Pixels
BATTERY LIFE:	6 Months
BATTERY TYPE:	Four "AA" Alkaline Batteries



CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
702505	9385100	DR900 Multiparameter Colorimeter

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702147	4942500	Hard Carrying Case
701862	2722000	Soft Carrying Case
701902	2763900	Absorbance Check Standards Kit, Set of 4
700029	4864302	Replacement Sample Cells (1cm/10mL), Pack of 2
701520	2401906	Replacement Sample Cells (10, 20, 25 mL Markings), Pack of 6
702145	4846400	Replacement COD/Test 'N Tube Adapter
703748	LZV818	Replacement USB Cable
702507	9386400	Replacement Battery Cover
702506	9386300	Replacement Cap

HOW TO ORDER



ONLINE

supply.coreandmain.com



TELEPHONE

1-888-885-2673



EMAIL

support.supply@coreandmain.com

HOURS OF OPERATION: M-F; 6 A.M. to 7 P.M. CST

Hach SL1000 Portable Parallel Analyzers



The Hach SL1000™ Portable Parallel Analyzer (PPA®) combines a colorimeter and an electrochemical multiparameter analyzer in one unit for faster, more accurate water analysis. Test up to six parameters, four colorimetric and two probe-based, simultaneously using Chemkey Reagents and IntelliCAL Probes. Automated steps and internal temperature control reduce inconsistent results due to manual operations and provide consistent, repeatable results every time. Chemkey reagents execute the same process steps that you have trusted for decades—now delivered in a simple, self-contained package. Simply insert the Chemkey(s) and let the SL1000 PPA run the test.

Colorimetric tests (Chemkey) include: monochloramine, free and total ammonia, free and total chlorine, nitrite, copper, high- and low-range orthophosphate, high- and low-range hardness, high- and low-range alkalinity, dissolved iron and peracetic acid

Probe-based tests include: pH, conductivity, ORP, dissolved oxygen, nitrate and fluoride

FEATURES & BENEFITS

- Measure six parameters at the same time—75% faster than with other methods
- No powder pillows or glass vials to handle—all chemicals and processes are entirely contained inside the Chemkeys
- Hach IntelliCAL smart probes retain calibration data minimizing errors and setup time
- Kits available with IntelliCAL probes and Chemkey reagents

INCLUDES

Analyzer Only includes: SL1000 PPA, carrying case, one analyzer sample cup, two probe sample cups, rechargeable battery, battery charger, hand strap, USB cable and operating manual. One-year warranty. **Full Kit** includes everything for “Analyzer Only” plus: pH probe, conductivity probe, one box each of free chlorine, total chlorine, monochloramine, free ammonia and nitrite Chemkeys. **Nitrification Kit** includes everything for “Analyzer Only” plus: pH probe, nitrate probe, one box each of free chlorine, total chlorine, monochloramine, free ammonia and nitrite Chemkeys.

SPECIFICATIONS

CHEMKEY SLOTS	4
INTELLICAL INPUT CHANNELS	2
DATA MEMORY	1000 Measured Values
BATTERY LIFE	Up to 200 Chemkey Tests
BATTERY TYPE	Rechargeable Lithium Ion Battery

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION	RANGE (mg/L)	TESTS
CHEMKEYS				
700108	8636100	Total Alkalinity, HR	200 to 700 CaCO ₃	25
700109	8636200	Total Alkalinity, LR	20 to 200 CaCO ₃	25
700110	9425200	Total Ammonia	0.05 to 1.50 NH ₃ -N	25
702510	9429500	Free Ammonia	0.05 to 0.50 NH ₃ -N	25
700111	9429600	Free Ammonia & Monochloramine	Free: 0.05 to 0.50 NH ₃ -N Monochloramine: 0.04 to 4.00 Cl ₂	25 Each
700112	8791900	Free/Total Ammonia & Monochloramine	Free: 0.05 to 0.50 NH ₃ -N Total: 0.05 to 1.50 NH ₃ -N Monochloramine: 0.04 to 4.00 Cl ₂	25 Each
700113	9429400	Monochloramine	0.04 to 4.00 Cl ₂	25
700114*	8499300	Free Chlorine	0.04 to 4.00 Cl ₂	300
700115*	9429000	Free Chlorine	0.04 to 4.00 Cl ₂	25
700116*	8499400	Total Chlorine	0.04 to 10.0 Cl ₂	300
700117*	9429100	Total Chlorine	0.04 to 10.0 Cl ₂	25
700118	9427900	Chlorine Verification	System Check	-
700119*	9429200	Copper	0.06 to 5.00 Cu	25
700121	8636300	Hardness, HR	90 to 750 CaCO ₃	25
700122	8636400	Hardness, LR	3 to 100 CaCO ₃	25
700120	8636000	Dissolved Iron	0.05 to 3.00 Fe	25
700123	9429300	Nitrite	0.005 to 0.600 NO ₂ -N	25
700124	8636500	Orthophosphate, HR	2.0 to 30.0 PO ₄	25
700125	8636600	Orthophosphate, LR	0.20 to 4.00 PO ₄	25
700126	8635200	Peracetic Acid	0.04 to 50.0 PAA	25
700127	9759000	pH	pH 6.3 to 9.0	25
702513	9436800	System Verification	System Check	-

*EPA Compliant Methods

C&M PART #	MFG PART #	DESCRIPTION
SL1000 ANALYZER & ANALYZER KITS		
700092	9430000	SL1000 Analyzer Only
700093	8499000	Full SL1000 PPA Kit
700094	25632200	Full SL1000 Nitrification Kit
INTELLICAL PROBES		
700040	PHC10101	Lab Gel-Filled pH Probe, 1-m Cable
700041	MTC10101	Lab Gel-Filled ORP Probe, 1-m Cable
700088	LDO10101	Lab LDO Dissolved Oxygen Probe, 1-m Cable
700090	CDC40101	Lab Conductivity Probe, 1-m Cable

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702343	8497000	Replacement Power Supply (No Power Cord)
702445	9094900	Replacement Battery
702503	9374200	Car Charger
702504	9377700	Replacement Tray
702508	9394900	Replacement Tray, Set of 4
702509	9418100	Replacement Sample Cup
702511	9431700	Replacement Nose Cone

Hach HQ Portable Digital Multiparameter Meters

Hach HQ Portable Digital Multiparameter Meters are designed for water quality professionals who want to perform electrochemical analysis both in the field and the lab. Use meters with Hach Standard or Rugged IntelliCAL Probes. Probes are automatically recognized by the meter and will retain calibration data to minimize errors and setup time. View step-by-step calibration and troubleshooting instructions on the large display. Easy to follow instructions ensure accurate measurements and fewer user errors. Use the Kickstand and Hand Strap to convert the unit into a benchtop unit.



FEATURES & BENEFITS

- Easy on-screen step-by-step calibration and troubleshooting instructions
- Compatible with IntelliCAL probes to measure a variety of parameters without recalibration
- Rugged, IP67 rated waterproof housing—ideal for field use
- Store up to 100,000 measurements with date, time, sample ID, operator ID and calibration data
- Export data via USB connection to a PC or USB storage device
- Single-, dual- and triple-input models available
- Available as individual meters or as kits supplied with IntelliCAL probes

INCLUDES

Meter Only includes: Batteries, USB wall charger, USB A to micro B cable (5.9-ft long), wrist strap, protective glove and manuals. One-year meter warranty for HQ1000 and HQ2000 series meters. Three-year warranty for HQ4000 series meters.

SPECIFICATIONS

PARAMETER	HQ1000 SERIES	HQ2000 SERIES	HQ4000 SERIES	RANGE	RESOLUTION	ACCURACY
Temperature	X	X	X	-10.0 to 110.0°C	0.1°C	±0.3°C
pH	X	X	X	0 to 14 pH	0.001/0.01/0.1 pH	±0.02 pH
mV	X	X	X	±1200.0 mV	0.1 mV	±0.02 mV or 0.05%; whichever is greater
Conductivity	X	X	X	0.01 µS/cm to 200 mS/cm	Range Dependent	±0.5% of range
TDS	X	X	X	0.01 to 50.00 g/L	Range Dependent	±0.5% ±1 digit
Salinity	X	X	X	0 to 42 ppt or ‰	0.01 ppt	±0.1, ±1 digit
Dissolved Oxygen	X	X	X	0.0 to 20.0 mg/L	0.1 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
BOD	X	X	X	0.05 to 20.0 mg/L	0.01 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
ORP/Redox	X	X	X	±1200.0 mV	0.1 mV	See "mV" Above
Ammonia			X	0.01 mg/L to 14 g/L NH ₃ -N	Range Dependent	See "mV" Above
Ammonium			X	0.018 mg/L to 9 g/L NH ₄ -N	Range Dependent	See "mV" Above
Chloride			X	0.1 mg/L to 35.5 g/L Cl ⁻	Range Dependent	See "mV" Above
Fluoride			X	0.01 mg/L to 19 g/L F ⁻	Range Dependent	See "mV" Above
Nitrate			X	0.1 mg/L to 14 g/L NO ₃ -N	Range Dependent	See "mV" Above
Sodium			X	10 to 1000 mg/L	Range Dependent	See "mV" Above
Memory Data Points	5000	10,000	100,000			

CERTIFICATIONS

- IP67; Passes 810 Military Standard

C&M PART #	MFG PART #	DESCRIPTION
SINGLE-PARAMETER METERS (HQ1000 SERIES)		
700036	LEV015.53.1110A	HQ1110 pH/ORP/mV Meter
700081	LEV015.53.1130A	HQ1130 Dissolved Oxygen Meter
700082	LEV015.53.1140A	HQ1140 Conductivity Meter
MULTIPARAMETER METERS (HQ2000 SERIES)		
700083	LEV015.53.2100A	HQ2100 Single-Input Multiparameter Meter
700084	LEV015.53.2200A	HQ2200 Dual-Input Multiparameter Meter
ISE-CAPABLE MULTIPARAMETER METERS (HQ4000 SERIES)		
700085	LEV015.53.4100A	HQ4100 Single-Input Multiparameter Meter
700086	LEV015.53.4200A	HQ4200 Dual-Input Multiparameter Meter
700087	LEV015.53.4300A	HQ4300 Triple-Input Multiparameter Meter

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703557	LEZ015.99.A004A	Protective Glove
703556	LEZ015.99.A003A	Kick Stand and Hand Strap
702367	8508850	Stand for IntelliCAL Laboratory Probes



Hach HQ Multiparameter Meter Kits



All HQ™ Multiparameter Meter Kits include: HQ2100™ or HQ2200™ meter, IntelliCAL probe(s), field case, hand strap, kick stand, protective glove, 280 disposable wipes and three 90-mL containers. **Kits with pH probes also include:** 60 Singlet™ buffer packs (20 each of pH 4.01, pH 7.0, and pH 10.01). **Kits with DO probes also include:** 250-mL Erlenmeyer flask.

C&M PART #	MFG PART #	INCLUDED PROBE DESCRIPTION	CABLE LENGTH	PROBE MPN
HQ2100 SINGLE-INPUT DIGITAL MULTIPARAMETER METER KITS WITH ONE RUGGED PROBE				
703526	LEV015.53.21003	Rugged Field Gel-Filled pH Probe	5 m	PHC10105
703528	LEV015.53.21005	Rugged Field Dissolved Oxygen Probe	5 m	LDO10105
HQ2200 DUAL-INPUT DIGITAL MULTIPARAMETER METER KIT WITH TWO RUGGED PROBES				
703536	LEV015.53.22006	Rugged Field Gel-Filled pH Probe & Rugged Field Dissolved Oxygen Probe	5 m	PHC10105, LDO10105
HQ2100 SINGLE-INPUT DIGITAL MULTIPARAMETER METER KITS WITH ONE STANDARD PROBE				
703524	LEV015.53.21001	Standard Gel-Filled pH Probe for Clean Water	1 m	PHC20101
703525	LEV015.53.21002	Standard Gel-Filled pH Probe for Water & Wastewater	1 m	PHC10101
703527	LEV015.53.21004	Standard Dissolved Oxygen Probe	1 m	LDO10101
HQ2200 DUAL-INPUT DIGITAL MULTIPARAMETER METER KITS WITH TWO STANDARD PROBES				
703534	LEV015.53.22004	Standard Gel-Filled pH Probe for Clean Water and Standard Dissolved Oxygen Probe	1 m	PHC20101, LDO10101
703535	LEV015.53.22005	Standard Gel-Filled pH Probe for Water & Wastewater and Standard Dissolved Oxygen Probe	1 m	PHC10101, LDO10101

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702367	8508850	Universal Probe Stand for Standard IntelliCAL Probes

Hach IntelliCAL Smart Probes



All IntelliCAL probes are automatically recognized by HQ/HQd® meters and maintain calibration data on the probe itself, eliminating the need for recalibration when switching probes between meters. Select from a wide range of Hach IntelliCAL Probes to meet the needs of the most demanding laboratory and field applications.



FEATURES & BENEFITS

- Waterproof connection between meter and probe—ideal for water and industrial quality control testing
- Probes retain calibration data minimizing errors and setup time
- Complete portfolio available for laboratory and field use
- Rugged probes feature stainless steel (SS) body for durability

C&M PART #	MFG PART #	DESCRIPTION
INTELLICAL RUGGED PROBES WITH 5-METER CABLE		
700042	PHC10105	pH Probe, Double-Junction, Gel-Filled
700043	MTC10105	ORP Probe, Double-Junction, Gel-Filled
700089	LDO10105	LDO Dissolved Oxygen Probe
700091	CDC40105	Conductivity Probe
INTELLICAL STANDARD PROBES WITH 1-METER CABLE		
700040	PHC10101	pH Probe, Double-Junction, Gel-Filled
703999	PHC30101	pH Probe, Double-Junction, Refillable
700039	PHC20101	pH Probe, Single-Junction, Gel-Filled
700041	MTC10101	ORP Probe, Double-Junction, Gel-Filled
703948	MTC30101	ORP Probe, Double-Junction, Refillable
700088	LDO10101	LDO Dissolved Oxygen Probe
703509	LBOD10101	LBOD BOD Probe with Stirrer
700090	CDC40101	Conductivity Probe

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702285	5825900	Replacement Shroud Kit for Rugged Probes
702281	5811200	Replacement Sensor Cap for LDO Probes
702295	5838000	Replacement Sensor Cap LBOD Probes

Hach sensION+ MM378 Multiparameter Dual-Channel Benchtop Meter

Benchtop sensION+ MM378 meter is excellent for any laboratory where electrochemistry analyses are required. Simple to use, the meter comes with fully integrated laboratory set up, including a magnetic stirrer and electrode holder. There is even dedicated storage for your buffers. The meter has two measurement channels. Use channel 1 to measure up two parameters (pH, ORP, conductivity, ISE) individually or simultaneously; use channel 2 to measure DO. Easily connect to a PC or printer using an RS-232 interface. Meter ensures compliance with Good Laboratory Practice (GLP) guidelines with saved date and time stamp, instrument ID and sample ID information.

FEATURES & BENEFITS

- Measure pH, ORP, conductivity, ISE or DO with one meter
- Fast performing electrodes give quick results
- Auto Stabilization and Auto Buffer Recognition
- RS-232 interface for connection to a PC or printer
- Store up to 330 measurements per channel
- Complete bidirectional control via the PC using optional LabCom Easy Software

INCLUDES

125 mL of pH 4 and pH 7 calibration standard solutions, 125 mL of 1413 $\mu\text{S}/\text{cm}$ conductivity standard solution, 50 mL of KCl electrolyte solution, DO filling solution, three pH calibration beakers, one conductivity calibration beaker, rod, probe holder, and power supply. 3-year meter warranty.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
Dissolved Oxygen	0 to 60 mg/L	0.01 mg/L	$\leq 0.5\%$, ± 1 digit
pH	-2 to 19 pH	0.1/0.01/0.001 pH (selectable)	0.002 pH ± 1 digit
mV	± 2000 mV	1/0.1 mV (selectable)	0.2 mV ± 1 digit
Concentration	10^{-6} M to 10^{-1} M	programmable	up to 5 calibration points
Conductivity	0.01 $\mu\text{S}/\text{cm}$ to 500 mS/cm; 0.001 $\mu\text{S}/\text{cm}$ to 1000 mS/cm	0.01/0.001	$\pm 0.5\%$, ± 1 digit
Salinity	5.85 mg/L to 311.1 g/L NaCl	0.01 mg/L	$\pm 0.5\%$, ± 1 digit
TDS	0 to 60,000 mg/L	1 mg/L	$\pm 0.5\%$, ± 1 digit
Temperature	-20.0 to 150.0°C	0.1°C	$\pm 0.2^\circ\text{C}$ ± 1 digit



C&M PART #	MFG PART #	DESCRIPTION
703587	LPV4130.97.0002	Meter Only
703589	LPV4160.97.0002	Meter with 5014 pH Electrode, 5070 Conductivity Probe and 5131 DO Probe

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703773	LZW5014T.97.002	5014 Silver Ion Barrier pH Electrode (Double Junction, Refillable, Glass Body)
703788	LZW5070.97.0002	5070 Conductivity Probe with Temperature, $k=0.7 \text{ cm}^{-1}$
703792	LZW5131.97.0002	5131 Dissolved Oxygen (DO) Probe, Polarographic
703824	LZW9500.99	pH Electrode Filling Solution, Reference, 3 M KCl, 250 mL
702196	5197300	Replacement Membranes for Dissolved Oxygen Probe
701898	2759126	Filling Solution for Polarographic DO Probe, 50 mL
703795	LZW8997.99	LABCOM EASY Software with USB Adapter

Choose from our wide selection of
Hach Sension+ Electrodes



See **page 155 and 158** for details and order information.

Hach HQd Multiparameter Digital Benchtop Meters

Use the Hach HQ430D™ Laboratory Multiparameter Meter to measure 10 different parameters. Meter accepts IntelliCAL probes to measure pH, mV, ISE, DO, BOD, conductivity, salinity, resistivity, TDS, and temperature. Probes automatically recognize the testing parameter, calibration history and method settings to minimize errors and setup time—order probes separately. A simple interface with guided calibration and check standard routines ensure easy set up and use resulting in accurate measurements.



FEATURES & BENEFITS

- Easy on-screen step-by-step calibration usage instructions
- Compatible with IntelliCAL probes to measure a variety of parameters without recalibration
- Store up to 500 data sets including serial numbers, current calibration data, user ID, sample ID, time and date
- Export data via USB connection to a PC or USB storage device
- Single- and dual-input models available

INCLUDES

Power adapter and user manual.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
Temperature	-10.0 to 110.0°C	0.1°C	±0.3°C
pH	0 to 14 pH	0.001/0.01/0.1 pH	±0.02 pH
mV	±1200.0 mV	0.1 mV	±0.02 mV or 0.05%, whichever is greater
Conductivity	0.01 µS/cm to 200 mS/cm	Range Dependent	±0.5% of range
TDS	0.01 to 50.00 g/L	Range Dependent	±0.5% ±1 digit
Salinity	0 to 42 ppt or %	0.01 ppt	±0.1, ±1 digit
Dissolved Oxygen	0.0 to 20.0 mg/L	0.1 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
BOD	0.05 to 20.0 mg/L	0.01 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
ORP/Redox	±1200.0 mV	0.1 mV	See "mV" Above
Ammonia	0.01 mg/L to 14 g/L NH ₃ -N	Range Dependent	See "mV" Above
Ammonium	0.018 mg/L to 9 g/L NH ₄ -N	Range Dependent	See "mV" Above
Chloride	0.1 mg/L to 35.5 g/L Cl ⁻	Range Dependent	See "mV" Above
Fluoride	0.01 mg/L to 19 g/L F ⁻	Range Dependent	See "mV" Above
Nitrate	0.1 mg/L to 14 g/L NO ₃ -N	Range Dependent	See "mV" Above
Sodium	10 - 1000 mg/L	Range Dependent	See "mV" Above

C&M PART #	MFG PART #	DESCRIPTION
703487	HQ430D	HQd Single-Input Multiparameter Meter Only
703488	HQ440D	HQd Dual-Input Multiparameter Meter Only
INTELLICAL PH & ORP PROBES WITH 1-M CABLE		
700040	PHC10101	Standard pH Gel Probe, Double Junction
703999	PHC30101	Standard pH Refillable Probe, Double Junction
703997	PHC28101	Ultra pH Refillable Probe, Double Junction
700041	MTC10101	Standard ORP Gel-Filled Probe
703948	MTC30101	Standard ORP Refillable Probe
INTELLICAL CONDUCTIVITY/SALINITY/TDS PROBES WITH 1-M CABLE		
700090	CDC40101	Standard Conductivity Probe
INTELLICAL DO & BOD PROBES WITH 1-M CABLE		
700088	LDO10101	Standard LDO Dissolved Oxygen Probe
703509	LBOD10101	Standard LDO BOD Probe
702281	5811200	Replacement Sensor Cap for DO Probe
702295	5838000	Replacement Sensor Cap for BOD Probe
RED ROD INTELLICAL HIGH-PERFORMANCE GLASS PH ELECTRODE		
704001	PHC70501	Lab Refillable pH Electrode - Clean Water
704007	PHC80501	Lab Refillable pH Electrode - General Purpose
704006	PHC74501	Lab Refillable pH Electrode - Wastewater

Choose from our wide selection of Hach IntelliCAL Electrodes



See **page 154 and 157** for details and order information.

Labconco Kjeldahl Distillation and Digestion Apparatuses

Perform your own Total Kjeldahl Nitrogen (TKN) analysis using Labconco Kjeldahl determination apparatuses. Select from Macro Classical systems or Macro Rapid systems depending on your application. Macro Classical systems work well for determination of nitrogen in lower concentration samples for volumes up to 100 mL. Macro Rapid systems work well for determination of nitrogen in higher concentration samples for volumes ranging from 15 to 25 mL. Both system types require a digestion unit, distillation unit, and all necessary accessories.

The Macro Classical system comprised of a digestion and distillation units use two 500- or 800-mL Kjeldahl flasks to process wastewater samples. The digestion apparatus features two independently controlled electric digestion heaters with curved ceramic bases to cradle Kjeldahl digestion flasks. Control heat temperature by two infinite-control knobs with variable input from 20 to 100% capacity. The chemical-resistant CPVC fume manifold with heat-resistant PTFE nipples draws chemical fumes from the digestion flasks for user safety.

The distillation apparatus also features two electric digestion heaters with curved ceramic bases operated by two infinite-control knobs with variable input from 20 to 100% capacity. The counterflow heat exchanger controls back pressure and maximizes the rate of distillation for uniform results. Distillation manifold with two seamless stainless-steel tubing is included.

The Macro Rapid Digestors accommodate 250 mL digestion tubes and are available in 4- or 25-place models. Individually insulated ceramic heater prevents heat loss and provides uniform and efficient heat for each tube. Unlike aluminum block designs, ceramic modules have virtually the same coefficient of heat expansion as the digestion tube for rapid destruction of organic materials and fast digestions. Digestion times range from 25 to 45 minutes depending on the sample type and catalyst.

The RapidStill II is the ideal companion for Rapid Digestors. This compact unit fits nicely on a bench top and provides automatic steam distillation for macro Kjeldahl nitrogen determinations. Each distillation takes 5 to 10 minutes.

SPECIFICATIONS:

C&M PART #	DIMENSIONS (cm, W x L x H)	SAMPLE SIZE	SAMPLE CONTAINER	WEIGHT (lbs)
706102	26 x 46 x 43	Up to 100 mL	500 or 800 mL Kjeldahl Flasks	55
706103	26 x 46 x 77	Up to 100 mL	500 or 800 mL Kjeldahl Flasks	66
706095	49 x 48 x 21	15 to 25 mL	250 mL Kjeldahl Digestion Tubes	124
706097	23 x 29 x 17	15 to 25 mL	250 mL Kjeldahl Digestion Tubes	34
706097	46 x 32 x 76	15 to 25 mL	250 mL Kjeldahl Digestion Tubes	19



[706102](#)



[706103](#)



[706097](#)



[706095](#)

C&M PART #	MFG PART #	DESCRIPTION
MACRO CLASSICAL KJELDAHL DIGESTION & DISTILLATION APPARATUSES		
706102*	2128401	Kjeldahl Digestion Apparatus, 2-Place, 115V, 50/60 Hz
706103	2128501	Kjeldahl Distillation Apparatus, 2-Place, 115V, 50/60 Hz
706098	27400-500	Kjeldahl Flask, 500 mL, 6/Pack, 27400-500
706099	27400-800	Kjeldahl Flask, 800 mL, 6/Pack, 27400-800
706100	2081300	Replacement Connecting Bulbs, Pack of 6
706101	2128800	Replacement Delivery Tubes, Pack of 6
MACRO RAPID KJELDAHL DIGESTION & DISTILLATION APPARATUSES		
706095	2301200	Rapid Digestor, 25-Place, 208/230V, 50/60 Hz
706096	2308000	Rapid Digestor, 4-Place, 115V, 50/60 Hz
706097	6520000	RapidStill II™ Distillation Unit, 115V, 50/60 Hz
706104	2304025	Kjeldahl Digestion Tubes, 250 mL, Pack of 25
706105	2350025	Fume Removal System for Rapid Digestor, 25-Place
706106*	2354000	Fume Removal System for Rapid Digestor, 4-Place

*Requires Vacuum Aspirator

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706871	8701-0120	PVC Tubing, 3/8" ID x 1/2" OD, 50 ft
707318	F32947-0000	Vacuum Aspirator with Quick Disconnect Hose Fitting



Helpful Tip: The Kjeldahl Method

The Kjeldahl method is used for determining the nitrogen contents in organic and inorganic substances.

The process can be split into three main steps:

- **Digestion:** Sample is heated in the presence of sulfuric acid to break down the organic substance.
- **Distillation:** Sodium hydroxide is added to the digested sample to convert the NH_4 salt to NH_3 . The sample is then boiled and the condensate containing ammonia is collected.
- **Titration:** The final nitrogen content can then be determined using titration, ISE or the Phenate method.

Core & Main Kjeldahl Reagents

Core & Main White Label Kjeldahl ready-to-use reagents are manufactured to meet Standard Methods requirements APHA 4500-N_{org}.B.

CERTIFICATIONS

- EPA Compliant



C&M PART #	DESCRIPTION
AMMONIA REMOVAL REAGENTS	
706945	Borate Buffer Solution, 1 L
707321	Sodium Hydroxide, 6 N, 500 mL
DIGESTION REAGENTS	
707322	Kjeldahl Digestion Reagent, 500 mL
707247	Sodium Hydroxide-Thiosulfate Reagent, 500 mL
DISTILLATION REAGENTS	
706948	Boric Acid Solution with Mixed Indicator, 1 Liter
707282	Sulfuric Acid, 0.04 N, 500 mL

Core & Main Ammonia & Nitrate Standards

Meet your testing needs with these high-quality and economical Core & Main Ammonia & Nitrate standards.



C&M PART #	DESCRIPTION	SIZE
AMMONIA STANDARD SOLUTION AS N		
707323	Ammonia Standard, 1.0 ppm as N	500 mL
707324	Ammonia Standard, 1.0 ppm as N	1 L
706913	Ammonia Standard, 10 ppm as N	500 mL
706914	Ammonia Standard, 10 ppm as N	1 L
706921	Ammonia Standard, 100 ppm as N	500 mL
706922	Ammonia Standard, 100 ppm as N	1 L
706905	Ammonia Standard, 1000 ppm as N	500 mL
706906	Ammonia Standard, 1000 ppm as N	1 L
NITRATE STANDARD AS N		
707103	Nitrate Standard, 1.0 ppm as N	500 mL
707104	Nitrate Standard, 1.0 ppm as N	1 L
707107	Nitrate Standard, 10 ppm as N	500 mL
707108	Nitrate Standard, 10 ppm as N	1 L
707109	Nitrate Standard, 100 ppm as N	500 mL
707110	Nitrate Standard, 100 ppm as N	1 L
707111	Nitrate Standard, 1000 ppm as N	500 mL
707112	Nitrate Standard, 1000 ppm as N	1 L

Hach Nitrate DR300 Pocket Colorimeter



The Hach Nitrate DR300 Pocket Colorimeter maintains Hach's legacy of reliable nitrate testing for water sample analysis and process control while providing state-of-the-art features.

FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Nitrate
METHOD	Cadmium Reduction
RANGE (mg/L)	0.4 to 30.0
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
700103	LPV445.97.02110	DR300 Nitrate Colorimeter
701209	2106169	Nitrate NitraVer 5 Powder Pillows, Pack of 100
701657	2511025	NitraVer 5 AccuVac® Ampules, Pack of 25

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700618	30749	Nitrate Nitrogen Standard, 10 mg/L, 500 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Hach Nitrate Test Kit

Hach Nitrate Test Kit comes with everything you need to quickly and accurately measure nitrate levels in the lab or field. Simply mix the sample and reagent, place in the color comparator box and match the sample color to the continuous color disc.

INCLUDES

50 reagent tests, two viewing tubes with caps, color disc, color comparator box, plastic dropper, instruction manual and carrying case.



SPECIFICATIONS

RANGE LEVEL	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)
Low-Range	0 to 1	0.1	5
High Range	1 to 10	1	5

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700960	1416100	Nitrogen, Nitrate Color Disc Test Kit, Model NI-14	50
700948	1407899	NitriVer 3 Nitrite Reagent Powder Pillows	100
700955	1412099	NitraVer 6 Nitrate Reagent Powder Pillows	100

Hach Dissolved Oxygen Reagent Sets



Hach's most popular, quick, and easy-to-use dissolved oxygen test kit. Both high and low range measurements are taken with a modified Winkler method for drop count titration to determine sampled dissolved oxygen levels.

INCLUDES

Reagents, Titrant, Dissolved Oxygen Bottle with Stopper, Measuring Tube, Mixing Bottle, Clippers, Carrying Case

SPECIFICATIONS

RANGE LEVEL	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)
Low Range	0.2 to 4	0.2	60
High Range	1 to 20	1	60

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700764	146900	Hach Dissolved Oxygen Test Kit, Model OX-2P	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700706	98199	Hach Dissolved Oxygen 1 Reagent Powder Pillows, 60mL Sample	100
700707	98299	Hach Dissolved Oxygen 2 Reagent Powder Pillows, 60mL Sample	100
700711	98799	Hach Dissolved Oxygen 3 Reagent Powder Pillows, 60mL Sample	100

Hach Dissolved Oxygen (DO) Test Kit

Hach Dissolved Oxygen Test Kit quickly and accurately measures DO levels using a modified Winkler method for drop count titration. Low DO levels in surface water systems usually indicate serious pollution, which is harmful for fish, but DO must be excluded from boiler feed water to prevent corrosion.



FEATURES & BENEFITS

- Easy-to-use kit.
- Modified Winkler method for drop count titration
- Kit contains both low range and high range measurements.

INCLUDES

Reagents, Titrant, Mixing Bottle, Clippers, Measuring Tube, DO Bottle with Stopper and Carrying Case.

SPECIFICATIONS

RANGE LEVEL	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)
Low-Range	0.2 to 4	0.2	60
High-Range	1 to 20	1	60

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700764	146900	Dissolved Oxygen Test Kit, Model OX-2P	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700706	98199	Dissolved Oxygen 1 Reagent Powder Pillows	100
700707	98299	Dissolved Oxygen 2 Reagent Powder Pillows	100
700711	98799	Dissolved Oxygen 3 Reagent Powder Pillows	100
701530	2408932	Sodium Thiosulfate Standard Solution, Stabilized, 0.0109 N	-

Hach Dissolved Oxygen DR300 Pocket Colorimeter



The Hach Dissolved Oxygen DR300 Pocket Colorimeter maintains Hach's legacy of reliable dissolved oxygen testing for water sample analysis and process control while providing state-of-the-art features.

FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Dissolved Oxygen
METHOD	HRDO
RANGE (mg/L)	0.2 to 10.0
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
700104	LPV445.97.03110	DR300 Oxygen Colorimeter
701665	2515025	AccuVac Dissolved Oxygen Reagent Set, Pack of 25

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Hach HQ Portable Dissolved Oxygen Meters



The Hach HQ1130 Portable Dissolved Oxygen (DO) Meter is a dedicated single-channel meter for measuring dissolved oxygen. Use meter with various Hach IntelliCAL smart probes. Probes retain calibration history and method settings for reduced setup time.

FEATURES & BENEFITS

- Automatically recognizes the type of IntelliCAL smart probe connected
- View DO, temperature, calibration status and probe name on the large TFT color display
- Step-by-step illustrated calibration and troubleshooting instructions reduce errors
- Store up to 5000 measurements with date, time, sample ID, operator ID and calibration
- Export data to a PC or USB storage device via USB connection

INCLUDES

Meter Only includes: HQ1130 Portable Meter, batteries, USB wall charger, USB adapter cable and operating manual. One-year warranty. Meter Kits also includes: IntelliCAL LDO probe, carrying case, 280 disposable wipes and three 90 mL containers.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
Dissolved Oxygen	0.0 to 20.0 mg/L	0.1 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
BOD	0.05 to 20.0 mg/L	0.01 mg/L	±0.1 from 0 to 8 mg/L; ±0.2 from 8 to 20 mg/L
Temperature	-10.0 to 110.0°C	0.1°C	±0.3°C
Battery Life	140 hours		
Battery Type	Rechargeable lithium-ion battery		
Data Memory	Up to 5000 measurements		

CERTIFICATIONS

- IP67, EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
700081	LEV015.53.1130A	Meter Only
703521	LEV015.53.11302	Meter Kit with Standard LDO Probe, 1-m Cable
703520	LEV015.53.11301	Meter Kit with Rugged LDO Probe, 5-m Cable

Hach IntelliCAL Smart Probes for Oxygen Testing



All IntelliCAL probes are automatically recognized by HQ/HQd meters and maintain calibration data on the probe itself, eliminating the need for recalibration when switching probes between meters. Select from a wide range of Hach IntelliCAL Probes to meet the needs of the most demanding laboratory and field applications.

FEATURES & BENEFITS

- LDO and LBOD probes use patented luminescent DO technology
- Probes retain calibration data minimizing errors and setup time
- No membranes to clean or replace—simply replace sensor cap once per year
- Rugged probes feature stainless steel (SS) body for durability

C&M PART #	MFG PART #	DESCRIPTION
INTELLICAL RUGGED PROBES		
700089	LDO10105	LDO Dissolved Oxygen Probe, 5-m Cable
703515	LDO10110	LDO Dissolved Oxygen Probe, 10-m Cable
703517	LDO10130	LDO Dissolved Oxygen Probe, 30-m Cable
INTELLICAL STANDARD PROBES		
700088	LDO10101	LDO Dissolved Oxygen Probe, 1-m Cable
703514	LDO10103	LDO Dissolved Oxygen Probe, 3-m Cable
703509	LBOD10101	LBOD BOD Probe with Stirrer

REPLACEMENT ITEMS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702281	5811200	Replacement Sensor Cap for LDO Probes
702295	5838000	Replacement Sensor Cap LBOD Probes

Core & Main Zero Oxygen Standard

Calibrate your dissolved oxygen meter with Core & Main Zero Oxygen Standard to ensure accuracy. Standard meets Standard Methods APHA 4500-O requirements.



C&M PART #	DESCRIPTION	SIZE (mL)
707316	Zero Oxygen Standard	120
707317	Zero Oxygen Standard	500

Hach Mercury & Mercury-Free COD Reagent Vials

Chemical oxygen demand (COD) measures the amount of oxygen required to chemically oxidize organic compounds in water. COD measurements are often used as a general indicator of water quality and is used in water quality management programs. Use these reagents to accurately measure COD to ensure the quality of water.



CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	RANGE (mg/L)	# TESTS
COD REAGENT VIALS (MERCURY)				
701247	2125825	COD Digestion Vials, Low Range	3 to 150	25
701246	2125815	COD Digestion Vials, Low Range	3 to 150	150
701249	2125925	COD Digestion Vials, High Range	20 to 1500	25
701248	2125915	COD Digestion Vials, High Range	20 to 1500	150
701547*	2415925	COD Digestion Vials, High Range Plus	200 to 15,000	25
701546*	2415915	COD Digestion Vials, High Range Plus	200 to 15,000	150
MERCURY-FREE COD REAGENT VIALS				
701695*	2565025	COD2 Digestion Vials, Low Range	3 to 150	25
701697*	2565125	COD2 Digestion Vials, High Range	20 to 1500	25
701696*	2565115	COD2 Digestion Vials, High Range	20 to 1500	150
701962*	2834325	COD2 Digestion Vials, Ultra High Range	200 to 15,000	25
TNTPLUS COD REAGENTS				
700137*	TNT820	COD TNTplus Vial Test, Ultra Low Range	1 to 60	25
700138	TNT82006	COD TNTplus Vial Test, Ultra Low Range	1 to 60	150
700139	TNT821	COD TNTplus Vial Test, Low Range	3 to 150	25
700140	TNT82106	COD TNTplus Vial Test, Low Range	3 to 150	150
700141	TNT822	COD TNTplus Vial Test, High Range	20 to 1500	25
700142	TNT82206	COD TNTplus Vial Test, High Range	20 to 1500	150
700146	TNT825	COD TNTplus Vial Test, High Range	25 to 1000	25
700147	TNT82506	COD TNTplus Vial Test, High Range	25 to 1000	150
700143*	TNT823	COD TNTplus Vial Test, Ultra High Range	250 to 15,000	25
700144*	TNT82306	COD TNTplus Vial Test, Ultra High Range	250 to 15,000	150

*Not EPA Compliant

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701079	1864100	Cooling Rack for 10 Cuvettes (Ø 16 mm), SS
700920	1218629	COD Standard Solution, 300 mg/L as COD (NIST), 200 mL

Hach Concentrated BOD Nutrient Buffer Pillows



Hach Concentrated BOD Nutrient Buffer Pillows offer a convenient and simple-to-use pillows ready for dilution. Add one sterile pillow to distilled water to make your dilution water. Pillows come in different sizes to suit your application.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700959	1416066	BOD Nutrient Buffer Pillows, Each 0.5 mL Pillow Makes 300 mL	50
701061	1486166	BOD Nutrient Buffer Pillows, Each 3 mL Pillow Makes 3 L	50
701573	2436466	BOD Nutrient Buffer Pillows, Each 4 mL Pillow Makes 4 L	50
701062	1486266	BOD Nutrient Buffer Pillows, Each 6 mL Pillow Make s6 L	50
701063	1486398	BOD Nutrient Buffer Pillows, Each 19 mL Pillow Makes 19 L	25

Hach Formula 2533 Nitrification Inhibitor



Hach Nitrification Inhibitor is made of 2-chloro-6 (trichloromethyl) pyridine (TCMP), which is bound to an inert substrate to help dissolve quickly. For biologically treated effluents nitrification inhibition may be a requirement when performing a five-day BOD test.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
700893	253334	Nitrification Inhibitor for BOD, Formula 2533, TCMP, 500 g
700894	253335	Nitrification Inhibitor for BOD, Formula 2533, TCMP, 35 g
700657	45901	Dispenser Cap for Formula 2533 Nitrification Inhibitor 35 g Bottle

Hach Glucose Glutamic Acid (GGA) Ampules

Use the premade Glucose Glutamic Acid to check the accuracy of your BOD determinations. Sealed glass ampules prevent accidental contamination or evaporation of standard solutions. Easy to store—no refrigeration required.



CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY	# TESTS
701064	1486510	BOD Standard Solution, 300 mg/L, 10 mL Voluette	16	64
701664	2514420	ez GGA No Pipette Single Dose Ampules, 2 mL	20	20

Wheaton® Glass BOD Bottles

These borosilicate glass BOD bottles are the standard for BOD analysis. All bottles have 300-mL capacity and feature flared lip and ground-glass stopper to prevent air entrapment and for water seal. Unnumbered bottles have a frosted marking area for writing the sample number. Numbered bottles feature silk-screened, sequential sample numbers and a bar code for quick and easy identification. Included pennyhead stopper works with both 60- and 300-mL size bottles.

FEATURES & BENEFITS

- 5-Day BOD test recommended
- Bottles have flared mouth, sloped shoulder and large marking area



INCLUDES

Glass Stopper



CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
UNNUMBERED BOTTLES			
706847	227497-00G	Clear Glass BOD Bottles, 300 mL, Unnumbered	24
NUMBERED BOTTLES			
706840	227497-01G	Clear Glass BOD Bottles, 300 mL, Numbered 1 to 24	
706843	227497-02G	Clear Glass BOD Bottles, 300 mL, Numbered 25 to 48	
706844	227497-03G	Clear Glass BOD Bottles, 300 mL, Numbered 49 to 72	
706845	227497-04G	Clear Glass BOD Bottles, 300 mL, Numbered 73 to 96	
706846	227497-05G	Clear Glass BOD Bottles, 300 mL, Numbered 97 to 120	
706841	227497-06G	Clear Glass BOD Bottles, 300 mL, Numbered 121 to 144	
706842	227497-07G	Clear Glass BOD Bottles, 300 mL, Numbered 145 to 168	

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706311	227672	Replacement Pennyhead Stoppers	12
706417	227498	Clear Glass BOD Bottles without Stoppers, 300 mL, Unnumbered	24
705746	D1050	BOD Bottle Overcaps	50

Shel Lab Compact Refrigerated BOD Incubators



The Shel Lab SRI3 compact, low-temperature incubator is ideal for where space is tight. Use this refrigerated incubator to meet APHA specifications for Biochemical Oxygen Demand (BOD) analysis. PID temperature controller and gentle, continuous forced-air circulation ensure excellent temperature accuracy and uniformity. Safety features include both over- and low-temperature cutoffs and a circuit breaker to protect from electrical overload. The display shows current chamber temperature; push the up and down buttons to see the setpoint. Two one-amp interior outlets let you plug in additional equipment such as shakers, stirrers and roller bottles. Hermetically sealed compressor and corrosion-resistant chamber make it easy to clean.

FEATURES & BENEFITS

- Microprocessor PID temperature control provides excellent accuracy
- Fan assisted/forced-air circulation ensures great temperature uniformity
- Over- and low-temperature cutoff features sample integrity
- Interior electrical outlets for connecting auxiliary equipment

INCLUDES

Incubator, Two Shelves (Adjustable in Two-Inch Increments) and Power Cord. 24-Month Limited Warranty.

SPECIFICATIONS

BOTTLE CAPACITY	62
CHAMBER DIMENSIONS (in., W x D x H)	16 x 14 x 22.5
OVERALL DIMENSIONS (in., W x D x H)	24 x 21 x 33.8
POWER REQUIREMENTS (VAC, Hz)	115, 50/60
TEMPERATURE RANGE (°C)	0 to 45
TEMPERATURE UNIFORMITY (°C)	±0.5
WEIGHT (lbs)	93

C&M PART #	MFG PART #	DESCRIPTION
705658	SRI3	2.4 cu ft (62 Bottles)

Membrane Kits for YSI DO Probes

Use YSI Dissolved Oxygen (DO) Probe Membrane Kits to extend the life of your DO probes. The Cap-Style Kits comes with six membranes and a 30 mL KCl bottle of solution. The Loose Membrane Kits include 30 membranes, O-rings and a 30 mL KCl bottle of solution. The O-Ring Kits contain four different types of O-rings with a quantity of six each.



C&M PART #	MFG PART #	DESCRIPTION	FOR YSI PROBE MODELS
CAP-STYLE MEMBRANE KITS			
700130	059880	YSI 5906 Cap Membrane Kit, Black Cap, 1.0 mil PTFE	Pro Series Polarographic, 85, 550, 556, 5010, 5239, 5905
706003	605306	YSI 5908 Cap Membrane Kit, Yellow Cap, 1.25 mil PE	Pro Series Polarographic, 200, 200-BOD, 550A, 556
706125	605307	YSI 5909 Cap Membrane Kit, Blue Cap, 2.00 mil PE	Pro Series Polarographic, 556
706005	605913	YSI 5913 Cap Membrane Kit, Yellow Cap, 1.25 mil PE	Pro Series Galvanic
706126	605914	YSI 5914 Cap Membrane Kit, Blue Cap, 2.00 mil PE	Pro Series Galvanic
LOOSE MEMBRANE KITS			
706127	098094	Membrane Kit, Standard Sensitivity, 1.0 mil PTFE	55, 5718, 5739
706128	098095	Membrane Kit, High Sensitivity, 0.5 mil PTFE	55, 5718, 5739
O-RING KITS			
706129	098400	O-Ring Kit	55, 5739, 5750, 5795A

We stock
KIMTECH KIMWIPES



Check out **page 44**
for details and order information.

Replacement Probes for Thermo Scientific™ Orion Star Series DO Meters



706132



706133 & 706134



These rugged body probes are excellent for use both in the lab or field.

C&M PART #	MFG PART #	DESCRIPTION	FOR MODELS
706132	081010MD	BOD Probe, 3m (10 ft) Cable	All Star Series Dissolved Oxygen Meters
706133	083005MD	BOD Probe with ATC, 1.5m (5 ft) Cable	All Star Series Dissolved Oxygen Meters
706134	083010MD	BOD Probe with ATC, 3m (10 ft) Cable	All Star Series Dissolved Oxygen Meters
706135	086030MD	BOD Probe with Integrated Stirrer, 2m (6 ft) Cable	3, 4, 5-Star Benchtop Dissolved Oxygen Meters

Wheaton® BOD Bottle Rack



Use these Wheaton Bottle rack to safely transport BOD bottles. Corrosion-resistant, stackable rack holds up to twelve 300 mL BOD bottles. Do not autoclave.

C&M PART #	MFG PART #	DESCRIPTION	CAPACITY
706848	W227731	BOD Bottle Rack for 300-mL Bottles	12 Bottles

Liqui-Nox® Critical Cleaning Liquid Detergent

Use the concentrated, anionic, phosphate-free detergent for manual and ultrasonic cleaning. Liqui-Nox detergent rinses completely with no interfering residues. Extremely mild, biodegradable cleaner is completely soluble in hard and soft water. USDA authorized. Dilute 1:100.



C&M PART #	MFG PART #	DESCRIPTION	SIZE (GALLON)
706014	1201	Liqui-Nox Critical Cleaning Liquid Detergent	1

Thermo Scientific™ Orion Polarographic DO Maintenance Kits & Accessories



Order maintenance kits and accessories to keep your DO meters/probes running smoothly.

C&M PART #	MFG PART #	INCLUDES	FOR MODELS
MEMBRANE KITS			
706138	080113	Electrolyte, Two Membrane Caps & Polishing Disk	050510, 081010, 081010MD
706139	080513	Electrolyte, Two Membrane Caps & Polishing Disk	081010F, 081030F, 083005A, 083005D, 083005MD, 083010A, 083010F, 083010MD, 083025A, 083060A, 083150A, 083300A, 086020A, 086030MD
MEMBRANE CAPS			
706140	080515	One Membrane Cap	081010F, 081030F, 083005A, 083005D, 083005MD, 083010A, 083010F, 083010MD, 083025A, 083060A, 083150A, 083300A, 086020A, 086030MD
706137	970801	One Prefilled Membrane Cap	970800, 970899
ELECTROLYTE SOLUTION			
706141	080514	One 60-mL Bottle	081010F, 081030F, 083005A, 083005D, 083005MD, 083010A, 083010F, 083010MD, 083025A, 083060A, 083150A, 083300A, 086020A, 086030MD

Thermo Scientific™ Orion 97-08 BOD Probes

Save money by using this Thermo Scientific BOD probe with your current pH meter. Taking measurements is as easy as 1-2-3- simply plug in the probe and take your readings.



INCLUDES

Overflow Funnel with Built-in Stirring Bar and Batteries and (2) Membrane/Electrolyte Modules.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
706136	970899WP	BOD Probe with BNC Connector

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	DESCRIPTION
706137	Membrane/Electrolyte Module with Pre-Filled Membrane Cap for C&M Part # 706136

YSI Self-Stirring BOD Probes

Polarographic BOD Probes

These reliable and durable Polarographic BOD Probes provide years of use. Probes are available in analog and digital technology. Analog probes use (list how it works) while the digital probe communicates and stores calibration information and probe type to the meter.

Digital Optical BOD Probes

The Digital Optical BOD Probes can store and communicate probe type and calibration information to the meter for automatic recognition. With no required warm-up time it is instantly ready for use. These BOD Probes have a sensor life of more than a year and come with a 2-year warranty.



C&M PART #	MFG PART #	DESCRIPTION	COMPATIBLE METERS	CABLE LENGTH
POLAROGRAPHIC BOD PROBES				
706142	059800	Analog BOD Probe, Model 5905	52, 58, C-5906	1.5m
706006	050102	Analog BOD Probe, Model 5010	5000, 5100, MultiLab	1.5m
706007	609200	Analog BOD Probe, Model 200-BOD	DO200, DO200A, DO200M	1.5m
706008	605780	Analog BOD Probe	Pro20, ProPlus, ProQuatro	1m
706009	300310	Digital BOD Probe, Model 4100	MultiLab 4010-1W, -2W, -3W	1.5m
DIGITAL OPTICAL BOD PROBES				
706010	626400	Digital BOD Probe, Model ProOBOD	ProODO, ProSolo, ProDSS	2m
706011	626500	Digital BOD Probe, Model IDS OBOD	MultiLab	2m

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	COMPATIBLE PROBES
POLAROGRAPHIC BOD PROBES			
700130	059880	Polarographic Replacement Membrane Kit	059800, 050102
706003	605306	Polarographic Replacement Membrane Kit	609200, 605780, 300310
706143	059895	Stir Paddle	5905, 5010
706144	110592	Motor Assembly	5905, 5010, 200-BOD
706145	110590	Probe Assembly	5905, 5010
706146	115011	Housing Assembly	5010
706147	073035	Power Supply, 115 VAC	5905, 200-BOD
DIGITAL OPTICAL BOD PROBES			
706107	626482	Optical Replacement Sensor Caps	626400, 626500

Disposable BOD Bottles

Use these disposable PET bottles for biological oxygen demand (BOD) analysis. The lightweight recyclable bottles have a 300-mL capacity and are unbreakable. Using a fresh, clean bottle for each analysis prevents cross contamination ensuring accurate results. Bottle feature a specially formulated carbon coating to prevent oxygen from diffusing in or out of your sample. Use the bottles straight from the box. Individually numbered bottles come packed in plastic-lined boxes to eliminate dust or residue from affecting BOD results.



FEATURES & BENEFITS

- Laboratory tested and approved for EPA method 5210B
- Save time, labor and water using disposable BOD bottles
- Bottles come ready for use—no need to preclean
- Easily identify samples with individually numbered bottles

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705744	D1001	Disposable BOD Bottle, 300 mL	100
REPLACEMENT PARTS & ACCESSORIES			
C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
70574768	D1025-GREEN	BOD Bottle Stoppers, Plastic, Green Cap	25
70574717	D1025-BLACK	BOD Bottle Stoppers, Plastic, Black Cap	25
705747A7	D1025-RED	BOD Bottle Stoppers, Plastic, Red Cap	25
70574719	D1025-BLUE	BOD Bottle Stoppers, Plastic, Blue Cap	25
706311	227672	BOD Bottle Stoppers, Glass	12
705746	D1050	BOD Bottle Overcaps	50

BOD Bottle Overcaps

Standard Methods recommends the use of a cap over the mouth of a BOD bottle to prevent evaporation. These polyethylene overcaps fit snugly against the rim and shoulder of our disposable BOD bottles. Not for use with glass BOD bottles.



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
705746	D1050	Overcaps for Disposable BOD Bottles, Polyethylene	50



Helpful Tip: BOD is critical to wastewater treatment processes

Biochemical oxygen demand (BOD) is a key parameter to test in the wastewater treatment process and is a required test method on most NPDES permits. BOD measures the amount of oxygen that is consumed by microorganisms during the decomposition of organic matter under aerobic conditions at a specified temperature. The presence of a sufficient oxygen concentration is critical to maintaining the aquatic life in bodies of water. A high BOD value means that a large oxygen demand is present in the water, leading to treatment plant die-offs and fish kills in receiving streams.

Use the list below as a guideline for the equipment and reagents that you will need to be able to perform a BOD test. Refer to the Standard Methods to find the test procedure and determine exactly what equipment and reagents are required.

C&M PART #	MFG PART #	DESCRIPTION
703487	HQ430D	BOD Meter
703509	LBOD10101	BOD Probe
706847	227497-00G	BOD Bottles
706311	227672	BOD Bottle Stoppers
706848	W227731	BOD Bottle Rack
705653	SRI3P	Incubator
704297	10530-300A	Erlenmeyer Flask, 250 mL
704407	2351-500	Graduated Cylinder, 500 mL
704402	2351-1000	Graduated Cylinder, 1000 mL
700383	37918-0111	Automatic Buret, 25mL
704346	2040A-1	Volumetric Pipets, 1 mL
704356	2040A-5	Volumetric Pipets, 5 mL
704347	2040A-10	Volumetric Pipets, 10 mL
700373	37888-0000	Pipet Bulb
700206	11620-0500	Wash Bottles, 500 mL
706148*	P-110	BOD Seed
700894	253335	Nitrification Inhibitor
707325	-	Sodium Hydroxide, 1N
707326	-	Sulfuric Acid, 1N
707031	-	D-Glucose
707033	-	L-Glutamic Acid
706553	A440267	Water Still

*= May not be needed based on sample

DILUTION WATER: (MAKE FROM THE FOLLOWING ITEMS)

C&M PART #	MFG PART #	DESCRIPTION
707158	-	Phosphate Buffer Solution
707319	-	Magnesium Sulfate Solution
707327	-	Calcium Chloride Solution
707000	-	Ferric Chloride Solution
700959	1416066	BOD Nutrient Buffer Pillows, prepares 300 mL, Pack of 50 (can be used in place of four buffer solutions listed above)

PolySeed® BOD Seed Inoculum Capsules

These Seed Inoculum capsules contain a blend of specialized microbial cultures specifically for use in Biochemical Oxygen Demand (BOD5) test procedures. Simply add the contents of the capsule to the dilution water then stir for one hour before using. Seed inoculum provides a uniform standard for the degradation of both industrial and municipal waste in BOD5 analyses. Method name and number (Dilution, 8043)



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
706148	P-110	PolySeed, BOD	50 Capsules
706149	P-210	PolySeed NX, CBOD	50 Capsules

Core & Main BOD Nutrient Buffer Reagents

BOD Nutrient Buffer Reagents are manufactured to meet Standard Methods APHA 5210-B requirements.



C&M PART #	DESCRIPTION	SIZE (mL)
707158	Phosphate Buffer, pH 7.2	500
707159	Phosphate Buffer, pH 7.2	1000
707319	Magnesium Sulfate, 2.25%	500
707320	Magnesium Sulfate, 2.25%	1000
707327	Calcium Chloride, 2.75%	500
706962	Calcium Chloride, 2.75%	1000
707000	Ferric Chloride, 0.025%	500
707001	Ferric Chloride, 0.025%	1000

TALK TO AN EXPERT TODAY!



Need application advice or help to locate a part? Contact our technical specialists, they are here to help!

1-888-885-2673

Shel Lab Peltier-Cooled BOD Incubators



705653



705654



705655



Shel Lab Peltier-Cooled Biochemical Oxygen Demand (BOD) Incubators use innovative thermoelectric cooling technology that eliminates the need for a refrigeration compressor. These incubators use 71% less power than conventional models and reduce room air conditioning loads by 75%. PID temperature controller operates the thermoelectric cooling-and-heating (TEC-H) device to automatically cool and heat to maintain the chamber temperature. A mechanical convection system ensures even air distribution providing great temperature uniformity. The incubators meet APHA specifications for BOD. The heavy-duty shelves have 35-lb capacity to eliminate sagging. Incubators are available in three sizes: 3.5 cu ft (84 Bottles), 6.5 cu ft (120 Bottle) and 19.3 cu ft (300 Bottles) capacity.

FEATURES & BENEFITS

- PID temperature control provide excellent temperature accuracy
- Fan assisted/forced-air circulation offer great uniformity
- TEC-H technology—no need for a refrigeration compressor
- Interior electrical outlet for plugging in auxiliary equipment
- Door ajar alarm lets you know if the door is left open
- Easy-to-clean aluminum interior

INCLUDES

Incubator, Shelves, Brackets, Clips, Leveling Feet, Humidification Kit and Power Cord. 24-Month Limited Warranty.

SPECIFICATIONS

C&M PART #	705653	705654	705655
Bottle Capacity	84	120	300
Chamber Dimensions (in., W x D x H)	18.9 x 16.9 x 26.4	25.5 x 24 x 18.5	25.5 x 24 x 54.5
Overall Dimensions (in., W x D x H)	24.1 x 21.3 x 33.8	30 x 31.5 x 33.5	30 x 31.5 x 69.5
Power Requirements	115 VAC, 50/60 Hz	115 VAC, 50/60 Hz	115 VAC, 50/60 Hz
Temperature Range (°C)	15 to 40	15 to 40	15 to 40
Temperature Uniformity (°C)	±0.5	±0.5	±0.5
# of Shelves	Two Small	Two Medium	Five Medium
Weight (lbs)	105	125	246

C&M PART #	MFG PART #	DESCRIPTION
705653	SRI3P	Peltier-Cooled BOD Incubator, 3.5 cu ft (84 Bottles)
705654	SRI6P	Peltier-Cooled BOD Incubator, 6.5 cu ft (120 Bottles)
705655	SRI20P	Peltier-Cooled BOD Incubator, 19.3 cu ft (300 Bottles)

Hach Ozone DR300 Pocket Colorimeter



The Hach Ozone DR300 Pocket Colorimeter maintains Hach's legacy of reliable ozone measurement for water testing and process control while providing state-of-the-art features.

FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 Colorimeter, Batteries, Sample Cells, Operating Manual and Storage Case. One-year Warranty.

SPECIFICATIONS

PARAMETER	Ozone
METHOD	Indigo Trisulfonate
RANGE 1 (mg/L)	0.01 to 0.25
RANGE 2 (mg/L)	0.01 to 0.75
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
700105	LPV445.97.04110	DR300 Ozone Colorimeter
701667	2516025	Ozone AccuVac Ampules, LR, 0.01 to 0.25 mg/L, Pack of 25
701668	2517025	Ozone AccuVac Ampules, MR, 0.01 to 0.75 mg/L, Pack of 25

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701856	2708000	SpecCheck Secondary Ozone Standards (0 to 7.5 mg/L)
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

Hach pH Test Kits



Hach pH Test Kits are designed for checking the pH levels of water. Most natural waters range from pH 4 to pH 9, but commonly are above pH 7 due to carbonates and bicarbonates (alkalinity). To measure the pH, simply add indicator to the sample and compare the color to the spots on the color disc.

INCLUDES

Color Comparator, Color Disc, Reagents, Two Sample Tubes with Caps, Instruction Manual and Carrying Case.

Hach pH Indicators

Hach pH Indicator offer alkalinity determination by titration. Supplied in safe and durable containers.



C&M PART #	MFG PART #	DESCRIPTION	RANGE (pH)	SIZE (mL)
701439	2329236	Bromocresol Green-Methyl Red Indicator Solution	4.3 to 4.9	15
701438	2329232	Bromocresol Green-Methyl Red Indicator Solution	4.3 to 4.9	100
701440	2329249	Bromocresol Green-Methyl Red Indicator Solution	4.3 to 4.9	500
700589	21126	Phenol Red Indicator Solution	6.5 to 8.5	50
700009	21132	Phenol Red Indicator Solution	6.5 to 8.5	100
700591	21149	Phenol Red Indicator Solution	6.5 to 8.5	500
701783	2657512	Phenol Red Indicator Solution, Spec Grade	6.0 to 8.5	50
700598	25732	Thymol Blue Indicator Solution	7.8 to 10.0	100
701441	2329332	Wide-Range pH Indicator Solution	4 to 10	100
701442	2329353	Wide-Range pH Indicator Solution	4 to 10	1000

POPULAR HACH CHEMISTRIES & KITS

For a complete selection of Hach Chemistries and Kits, see **pages 11-23.**



SPECIFICATIONS

C&M PART #	RANGE (PH)	INCREMENTS (PH)
700765	5.5 to 8.5	0.5
700768	4.0 to 10.0	0.5

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700765	147006	pH Test Kit, pH 5.6 to 8.4, Model 17F	200
700768	147011	pH Test Kit, pH 4.0 to 10.0, Model 17N	300

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700596	25532	Bromthymol Blue Indicator Solution, 100 mL MDB for C&M Part # 700765
701441	2329332	Wide Range pH Indicator Solution, 100 mL MDB for C&M Part # 700768
700010	4660004	Plastic Viewing Tubes with Caps, Pack of 4

Core & Main pH Indicators

Use these Core & Main pH Indicators for determining the acid-base titration endpoint. Indicator changes color at the same pH as the equivalence point of the acid-base reaction. Indicators conform to Standard Methods.



C&M PART #	LAB CHEMICAL	pH COLOR	SIZES (mL)
706895	Alkalinity Indicator	4.6 Pink/5.2 Blue Green	120
706896	Alkalinity Indicator	4.6 Pink/5.2 Blue Green	500
706897	Alkalinity Indicator	4.6 Pink/5.2 Blue Green	1000
706949	Bromocresol Green, 0.1%	3.8 Yellow/5.4 Blue	120
706950	Bromocresol Green, 0.1%	3.8 Yellow/5.4 Blue	500
706895	Bromocresol Green-Methyl Red	4.6 Pink/5.2 Blue Green	120
706896	Bromocresol Green-Methyl Red	4.6 Pink/5.2 Blue Green	500
706897	Bromocresol Green-Methyl Red	4.6 Pink/5.2 Blue Green	1000
706956	Bromothymol Blue, 0.04%	6.0 Yellow/7.6 Blue	120
706957	Bromothymol Blue, 0.04%	6.0 Yellow/7.6 Blue	500
706958	Bromothymol Blue, 0.04%	6.0 Yellow/7.6 Blue	1000
707100	Methyl Purple	4.8 Purple/5.4 Green	120
707101	Methyl Purple	4.8 Purple/5.4 Green	500
707102	Methyl Purple	4.8 Purple/5.4 Green	1000
707375*	Phenolphthalein, 1%	8.0 Colorless/10 Pink	120
707328*	Phenolphthalein, 1%	8.0 Colorless/10 Pink	500
707153	Phenol Red, 0.04%	6.8 Yellow/8.2 Red	500
707154	Phenol Red, 0.04%	6.8 Yellow/8.2 Red	1000
707303	Thymol Blue, 0.04%	1.2 Red/2.8 to 8 Yellow/9.2 Blue	500

*Ground Shipping Only

Hach HR Chlorine & pH DR300 Pocket Colorimeter

The Hach Chlorine & pH DR300 Pocket Colorimeter maintains Hach's legacy of reliable chlorine and PH testing for process control while providing state-of-the-art features.



FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, two glass 10 mL sample cells, two plastic high-range 10 mL sample cells, operating manual and storage case. One-year warranty. Reagents purchased separately.

SPECIFICATIONS

PARAMETER	Chlorine
METHOD	DPD (chlorine); Phenol Red (pH)
CHLORINE RANGE (mg/L)	0.1 to 10.0
PH RANGE	6.0 to 8.5
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
DR300 CHLORINE & PH POCKET COLORIMETER			
700097	LPV445.97.12110	DR300 Chlorine & pH Colorimeter	-
REAGENTS & STANDARDS FOR DR300 CHLORINE & PH POCKET COLORIMETER			
7000140121X2	1407099	Powder Pillows, DPD (Free), 25 mL Sample	100
7000140122X2	1406499	Powder Pillows, DPD (Total), 25 mL Sample	100
701783	2657512	Phenol Red Solution, Spec Grade, 50 mL	-
700021	2893300	SpecCheck™ Secondary Chlorine Standards HR (0 to 8.0 mg/L)	-
700922	1222220	pH 7.00 Buffer, Colorless, 25 mL	-

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700624	34332	Potassium Iodide Solution, 100 mL
700725	104732	Sodium Arsenite Solution, 100 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6
700029	4864302	Plastic High-Range Sample Cells, 10 mL, Pack of 2

Hach 5-in-1 Test Strips

Measure five parameters at the same time with Hach 5-in-1 Test Strips. Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE	INCREMENTS
Free Chlorine	0 to 10 mg/L	0, 0.5, 1.0, 2.0, 4.0, 10.0 mg/L
Total Chlorine	0 to 10 mg/L	0, 0.5, 1.0, 2.0, 4.0, 10.0 mg/L
Total Hardness as CaCO ₃	0 to 425 mg/L	0, 25, 50, 120, 250, 425 mg/L
Total Hardness as CaCO ₃	0 to 25 gpg*	0, 1.5, 3, 7, 15, 25 gpg*
Total Alkalinity as CaCO ₃	0 to 240 mg/L	0, 40, 80, 120, 180, 240 mg/L
pH	6.2 to 8.4 pH	6.2, 6.8, 7.2, 7.8, 8.4 pH

*gpg = grains per gallon **1 gpg = 17.1 mg/L (ppm)

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701888	2755250	5-in-1 Test Strips	50

Hach pH Test Strips

Hach pH Test Strips are manufactured with a unique color changing reagent pad at the tip. Just dip the strip, wait until color development occurs and compare the color of the reacted pad to the color chart printed on the bottle.



SPECIFICATIONS

PARAMETER	RANGE	INCREMENTS
pH	4 to 9	4, 5, 6, 7, 8, 9

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701880	2745650	pH Test Strips	50

NEED HELP FINDING AN ITEM?



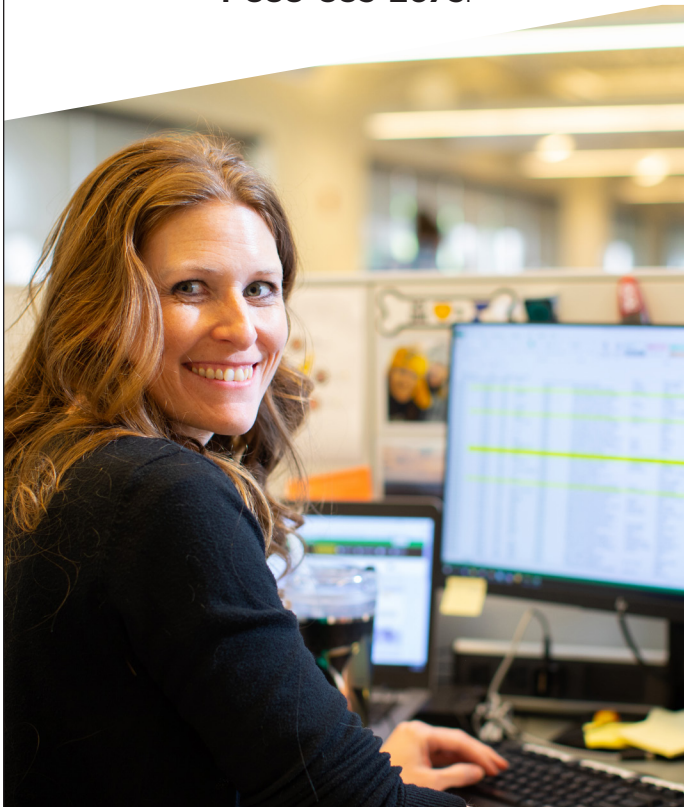
Core & Main has access to thousands of products from hundreds of suppliers.

Check out our full assortment of products and suppliers online at

supply.coreandmain.com

or speak with one of our customer service representatives at

1-888-885-2673.



Hach pH Buffers

The standard calibration buffers from Hach are available as Powder Pillows or solutions. These NIST-traceable pH buffers ensure accuracy of ± 0.02 pH units at 25°C. Select from different colors and sizes.



C&M PART #	MFG PART #	pH	BUFFER TYPE	COLOR	QUANTITY
POWDER PILLOWS					
700049	2226995	4.01	Powder Pillow	Red	15
700050	2226966	4.01	Powder Pillow	Red	50
700051	2226964	4.01	Powder Pillow	Red	250
700052	2299264	4.01 & 7.00	Powder Pillow	Red & Yellow	15 of Each
700053	1405566	6.00	Powder Pillow	Colorless	50
700054	1409895	6.86	Powder Pillow	Colorless	15
700055	2227095	7.00	Powder Pillow	Yellow	15
700056	2227066	7.00	Powder Pillow	Yellow	50
700057	2227064	7.00	Powder Pillow	Yellow	250
700058	1407995	8.00	Powder Pillow	Colorless	15
700059	1410766	9.00	Powder Pillow	Colorless	50
700060	2227195	10.01	Powder Pillow	Blue	15
700061	2227166	10.01	Powder Pillow	Blue	50
700062	2227164	10.01	Powder Pillow	Blue	250
SOLUTIONS					
700063	2283449	4.01	Solution	Red	500 mL
700064	2283456	4.01	Solution	Red	4 L
700065	2283461	4.01	Solution	Red	20 L
700066	1222349	4.01	Solution	Colorless	500 mL
700067	1222356	4.01	Solution	Colorless	4 L
700068	2283549	7.00	Solution	Yellow	500 mL
700069	2283556	7.00	Solution	Yellow	4 L
700070	2283561	7.00	Solution	Yellow	20 L
700071	1222249	7.00	Solution	Colorless	500 mL
700072	1222256	7.00	Solution	Colorless	4 L
700073	2283649	10.01	Solution	Blue	500 mL
700074	2283656	10.01	Solution	Blue	4 L
700075	2283661	10.01	Solution	Blue	20 L
700076	1222149	10.01	Solution	Colorless	500 mL
700077	1222156	10.01	Solution	Colorless	4 L
700079	2507200	4.01, 7.00, 10.01	Solution	Red, Yellow, Blue	4 L
700078	2947600	4.01, 7.00, 10.01	Solution	Red, Yellow, Blue	500 mL
700080	2507300	4.01, 7.00, 10.01	Solution	Red, Yellow, Blue	20 L

Hach Singlet Single-Use pH Buffer Pouches

Convenient single-use pH buffers are excellent for field use, each pouch contains 25 mL of buffer solution.

FEATURES & BENEFITS

- Quick and easy calibration from individually sealed pouch
- Foil pouch helps protect against exposure to air and contamination



C&M PART #	MFG PART #	DESCRIPTION	QUANTITY
700044	2770020	pH Buffer, pH 4.01, 25 mL	20
700045	2770120	pH Buffer, pH 7.00, 25 mL	20
700046	2770220	pH Buffer, pH 10.01, 25 mL	20
700047	2769920	pH Buffer Kit, pH 4.01 & 7.00, 25 mL	10 of Each
700048	2769820	pH Buffer Kit, pH 7.00 & 10.01, 25 mL	10 of Each

Core & Main pH Buffers & ORP Standard Solutions



[707152](#)



Use Core & Main pH Buffers and ORP Standard Solutions to maintain the accuracy of your meters. All buffers are NIST certified with stamped lot number and expiration date printed on the label and are accurate to within ± 0.01 and ± 0.02 pH units at 25°C. Discard product six months from opening date and do not store in direct sunlight.

Core & Main pH Buffer Pack

These Core & Main buffer packs are a convenient way to purchase what is needed in one package. Each box contains bottles of pH 4.00, 7.00 and 10.00 and an electrode storage solution.

Core & Main pH Buffer Pouches

The Core & Main Buffer Pouches prevent cross contamination and maintain the freshness. Each single packet pouch comes sealed and contains 20 mL calibration solution.

Core & Main ORP Standard Solution

Choosing the standard that is nearest to your operating ORP range to standardizing your ORP meter.

CORE & MAIN pH BUFFER PACKS

C&M PART #	DESCRIPTION	CONTAINER	SIZE (mL)
707152	pH 4.00, 7.00, 10.00, Electrode Storage Solution	Bottle	500

CORE & MAIN pH BUFFER POUCHES

C&M PART #	DESCRIPTION	SIZE (mL)	QUANTITY
707369	pH 4.00 Buffer Pouches	20	20
707370	pH 7.00 Buffer Pouches	20	20
707371	pH 10.00 Buffer Pouches	20	20

CORE & MAIN ORP STANDARD SOLUTION

C&M PART #	DESCRIPTION	SIZE (mL)
707121	ORP Standard Solution, 200 mV	500
707122	ORP Standard Solution, 400 mV	500
707123	ORP Standard Solution, 600 mV	500

CORE & MAIN pH BUFFERS

C&M PART #	pH	COLOR	CONTAINER	SIZE
707124	2.00	Colorless	Bottle	500 mL
707125	2.00	Colorless	Bottle	4 L
707126	4.00	Red	Bottle	500 mL
707127	4.00	Red	Bottle	4 L
707128	4.00	Red	Cubitainer	4 L
707129	4.00	Red	Cubitainer	20 L
707130	4.00	Colorless	Bottle	500 mL
707131	4.00	Colorless	Bottle	4 L
707132	6.86	Colorless	Bottle	500 mL
707133	6.86	Colorless	Bottle	4 L
707134	7.00	Yellow	Bottle	500 mL
707135	7.00	Yellow	Bottle	4 L
707136	7.00	Yellow	Cubitainer	4 L
707137	7.00	Yellow	Cubitainer	20 L
707138	7.00	Colorless	Bottle	500 mL
707139	7.00	Colorless	Bottle	4 L
707140	8.00	Colorless	Bottle	500 mL
707141	8.00	Colorless	Bottle	4 L
707142	9.18	Colorless	Bottle	500 mL
707143	9.18	Colorless	Bottle	4 L
707144	10.00	Blue	Bottle	500 mL
707145	10.00	Blue	Bottle	4 L
707146	10.00	Blue	Cubitainer	4 L
707147	10.00	Blue	Cubitainer	20 L
707148	10.00	Colorless	Bottle	500 mL
707149	10.00	Colorless	Bottle	4 L
707150	12.45	Colorless	Bottle	500 mL



Core & Main ISE Standards and Solutions

Core & Main's ISE Standards and Solutions are high quality yet economical. For the most accurate results, use chemical solutions and ionic strength adjusters together to cancel interferences from other ions.



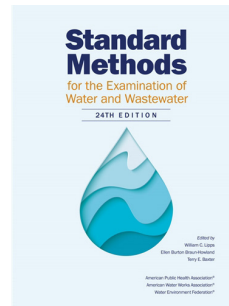
C&M PART #	mg/L (ppm)	SIZE (mL)
AMMONIA STANDARD SOLUTION AS N		
707323	1	500
707324	1	1000
706913	10	500
706914	10	1000
706921	100	500
706922	100	1000
706905	1000	500
706906	1000	1000
AMMONIA ISA BUFFER		
706901	-	500
706902	-	1000
CHLORIDE STANDARD SOLUTION AS Cl⁻		
706966	100	500
706967	100	1000
706968	1000	500
706969	1000	1000
CHLORINE STANDARD SOLUTION AS Cl₂		
706970	100	500
706971	100	1000
FLUORIDE STANDARD SOLUTION AS F		
707008	0.2	500
707009	0.2	1000
707010	0.5	500
707011	0.5	1000
707364	0.8	500
707365	0.8	1000
707012	1	500
707013	1	1000
707363	1.2	500
707015	1.2	1000
707366	1.5	500
707016	1.5	1000

C&M PART #	mg/L (ppm)	SIZE (mL)
FLUORIDE STANDARD SOLUTION AS F (CONTINUED)		
707017	2	500
707018	2	1000
707023	10	500
707024	10	1000
707026	20	500
707367	20	1000
707027	100	500
707028	100	1000
707029	1000	500
707030	1000	1000
TISAB II*		
707306	-	500
707307	-	1000
707308	-	4000
TISAB III*		
707310	-	500
707311	-	1000
707312	-	4000
NITRATE STANDARD AS N		
707103	1	500
707104	1	1000
707107	10	500
707108	10	1000
707109	100	500
707110	100	1000
707111	1000	500
707112	1000	1000
NITRATE ISA BUFFER		
707368	-	500
707113	-	1000

*Add 50 mL TISAB II to ea. 50-mL sample or standard

Standard Methods: Examination of Water and Wastewater

The new Standard Methods for the Examination of Water and Wastewater, 24th edition, is your guide for the most up-to-date water and wastewater analysis methods. This comprehensive resource contains step-by-step instructions for measuring the biological, chemical, and physical attributes of waters, and offers guidance for choosing among available methods for specific elements and compounds.



FEATURES & BENEFITS

- 10 new or updated methods across Part 7000 Radioactivity
- 11 new or updated methods in Part 4000 Inorganic Nonmetallic Constituents
- 45 new or updated methods across Part 9000 Microbiological Examination
- 4 new sections (9750 Naegleria fowleri; 4500-H₂O₂ Hydrogen Peroxide; 4500-PAA Peracetic Acid; 10110 Algal Toxin Analysis: MC and NOD)
- 82 new or updated methods in total

C&M PART #	MFG PART #	DESCRIPTION
706037	StandardMethods-24	Standard Methods: Examination of Water and Wastewater, 24th Ed.

Check out our selection of LAB NOTEBOOKS

Details and order information on **page 54.**

Hach Electrode Fill Solutions

Use these filling solutions to extend the life of your Hach refillable electrodes. For best results refill every 2 to 4 weeks.



C&M PART #	MFG PART #	DESCRIPTION	SIZE	COMPATIBILITY
701683	2546902	Potassium Chloride Reference Electrolyte Gel Cartridge	2 cartridges	For Hach sensION Electrodes
703825	LZW9509.99	Reference Filling Solution, 3 M KCl	50 mL	For Hach sensION+ Electrodes
703826	LZW9510.99	Reference Filling Solution, 3 M KCl	125 mL	For Hach sensION+ Electrodes
701967	2841700	Reference Filling Solution, 3 M KCl w/AgCl	28 mL	For Hach IntelliCAL Electrodes MTC301, PHC301, 5012T (3.0M KCl sat. with AgCl)
702009	2965026	Reference Filling Solution, Reference, 2.44 M KCl	59 mL	For Hach IntelliCAL Electrode PHC281 (2.44M KCl)

Core & Main Electrode Solutions

Electrode Storage Solutions: Store your pH electrode in storage solution between uses to extend the life of your electrode.

Electrode Cleaning Solutions: Use the cleaning solution to remove crystallized deposits from pH electrode bulb or reference junctions. Soak electrodes in diluted silver-free 4 M KCl solution for 20 minutes to unclog reference junctions.

Electrode Fill Solutions: Protect and extend the life of your electrodes by replacing the solution every few weeks.



C&M PART #	DESCRIPTION	SIZE
ELECTRODE STORAGE SOLUTIONS		
706993	Electrode Storage Solution	500 mL
707372	Electrode Storage Solution	1 L
ELECTRODE CLEANING SOLUTIONS		
707373	Electrode Cleaning Solution	500 mL
706995	4M KCl Solution	500 mL
ELECTRODE FILL SOLUTIONS		
706994	Potassium Chloride, 3 M	
706995	Potassium Chloride, 4 M (Saturated)	
706996	Potassium Chloride, 4 M (Saturated with Silver Chloride)	



Helpful Tip: Selecting the proper pH Electrode

SEALED VS. REFILLABLE

SEALED ELECTRODES	REFILLABLE ELECTRODES
<ul style="list-style-type: none"> • Low cost • Low maintenance • 6 to 18 months lifespan 	<ul style="list-style-type: none"> • Higher maintenance • 6 to 30 months lifespan • Refill with filling solution every 1 to 4 weeks

Proper care extends the life of your electrode, this includes storing the probe in the recommended storage solution and cleaning/rinsing the probe after use.

SINGLE VS DOUBLE JUNCTION

SINGLE-JUNCTION ELECTRODE	DOUBLE-JUNCTION ELECTRODE
<ul style="list-style-type: none"> • Suitable for use with relatively clean solutions (e.g., potable water, final wastewater effluent) • Susceptible to contamination 	<ul style="list-style-type: none"> • Suitable for use with influent, well water and process streams • Less likely to be contaminated • Longer lifespan

AUTOMATIC TEMPERATURE COMPENSATION (ATC)

A pH measurement is temperature dependent. Select an electrode with integrated ATC element to automatically correct for any difference in temperature, which increases the accuracy of your pH reading.

Be aware that your meter and probe need to be compatible with each other. If you are unsure, the support team can help determine the compatibility of your equipment.

HOW TO ORDER



ONLINE

supply.coreandmain.com



TELEPHONE

1-888-885-2673



EMAIL

support.supply@coreandmain.com

HOURS OF OPERATION: M-F; 6 A.M. to 7 P.M. CST



Hach IntelliCAL pH & ORP Electrodes

Use these precalibrated digital IntelliCAL Electrodes for measuring the pH or ORP in wastewater, drinking water and general aqueous applications. Electrodes store their own testing parameter, calibration history and settings, minimizing errors and setup time. Stored time and date stamp for each measurement, operator and sample ID along with pH probe serial number provide traceability for regulatory reporting.

FEATURES & BENEFITS

- Move between meters without recalibrating
- Digital solid-state technology provides fast, stable yet accurate readings
- Electrode alerts you when it needs to be recalibrated

IntelliCAL pH & ORP Electrodes are available in laboratory or rugged versions. Sealed laboratory electrodes are waterproof to 3 meters for 24 hours; sealed rugged electrodes have a durable IP68-rated SS body, shielded polymer sensor and steel-sheathed cable and are waterproof to 30 meters for 24 hours. Select fast response electrode (C&M # [703997](#)) for measuring difficult samples such as low ionic strength or ultrapure samples.

High-Performance Red Rod IntelliCAL pH Electrodes feature Red Rod technology to deliver exceptionally fast, stable response times with accurate results. Red Rod technology protects the reference elements from light interference providing a stable signal. Encapsulated reference elements reduce the risk of clogged reference junction, providing a longer service life.

INCLUDES

Sealed Electrodes: Electrode with Storage Soaker Bottle (Laboratory) or with Storage Cap (Rugged), Cable, Test Certificate and Manual.

Refillable Electrodes: electrode with storage soaker bottle, filling solution, cable, test certificate and manual.

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701967	2841700	Filling Solution for C&M Part # 703999 and 704000, 28 mL
702009	2965026	Filling Solution for C&M Part # 703997, 59 mL
702571	25118026	Filling Solution for High-Performance IntelliCAL Electrodes, 59 mL
702572	25118049	Filling Solution for High-Performance IntelliCAL Electrodes, 500 mL
702011	2965249	Electrode Cleaning Solutions, 500 mL
700078	2947600	Buffer Solution Kit, Color Coded, pH 4.01, 7.00, and 10.01, 500 mL, Pack of 3



INTELLICAL pH & ORP ELECTRODES

C&M PART #	MFG PART #	DESCRIPTION	CABLE LENGTH (m)
INTELLICAL pH ELECTRODES FOR CLEAN WATER, pH 0 TO 14			
700039	PHC20101	Sealed Lab pH Electrode with ATC, Epoxy Body	1
703996	PHC20103	Sealed Lab pH Electrode with ATC, Epoxy Body	3
703999	PHC30101	Refillable Lab pH Electrode with ATC, Zeonor Body*	1
704000	PHC30103	Refillable Lab pH Electrode with ATC, Zeonor Body*	3
703997	PHC28101	Refillable Lab pH Electrode with ATC, Zeonor Body, Fast Response†	1
INTELLICAL pH ELECTRODES FOR WASTEWATER, pH 2 TO 14			
700040	PHC10101	Sealed Lab pH Electrode with ATC, Zeonor Body	1
703991	PHC10103	Sealed Lab pH Electrode with ATC, Zeonor Body	3
700042	PHC10105	Sealed Rugged pH Electrode with ATC, IP68-Rated SS Body	5
703992	PHC10110	Sealed Rugged pH Electrode with ATC, IP68-Rated SS Body	10
703993	PHC10115	Sealed Rugged pH Electrode with ATC, IP68-Rated SS Body	15
INTELLICAL ORP ELECTRODES			
700041	MTC10101	Sealed Lab ORP Electrode, Epoxy Body, ±1200 mV	1
703948	MTC30101	Refillable Lab ORP Electrode, Epoxy Body, ±1200 mV	1
700043	MTC10105	Sealed Rugged ORP Electrode, IP68-Rated, ±1200 mV	5

*Comes with 28-mL filling solution ((3 M KCl solution saturated with AgCl).

†Comes with 59 mL filling solution (2.44 M KCl).

HIGH-PERFORMANCE RED ROD INTELLICAL pH ELECTRODES WITH ATC‡

C&M PART #	MFG PART #	DESCRIPTION	CABLE LENGTH (m)
704007	PHC80501	Red Rod pH Electrode, General Purpose, Porus Pin Junction, pH 0 to 14	1
704001	PHC70501	Red Rod pH Electrode, Clean Water, Porus Pin Junction, pH 0 to 14	1
704003	PHC72501	Red Rod pH Electrode, Low Ionic Strength, Annular Ring Junction, pH 0 to 14	1
704002	PHC705A01	Red Rod pH Electrode, High Alkaline, Porus Pin Junction, pH 0 to 14	1
704004	PHC72901	Red Rod pH Electrode, Surface pH, Annular Ring Junction, pH 2 to 14	1
704005	PHC73501	Red Rod pH Electrode, Wastewater, High-Flow Annular Ring Junction, pH 0 to 14	1
704006	PHC74501	Red Rod pH Electrode, Wastewater, Sleeve Junction, pH 0 to 14	1

‡Comes with 59-mL filling solution (saturated KCl).

Hach Sension+ pH and ORP Electrodes



Hach Sension+ pH and ORP Electrodes offer four different electrode types for the most flexibility possible: sealed/gel-filled, solid, refillable and multiparameter. Electrodes are available with or without automatic temperature compensation (ATC). Electrodes with ATC provide the convenience of measuring the temperature and pH with one electrode. Select one that best suits your application.

Sealed/Gel-Filled Electrodes require little maintenance and are more economical. Once the inner fill solution is low the electrode will have to be replaced.

Solid Electrolyte Electrodes have an open junction, require little maintenance, and are ideal for wastewater applications.

Refillable Electrodes feature a sleeved reference and silver ion barrier that prevents clogging due to Ag+ precipitation. Refill or change the filling solution depending on your application.

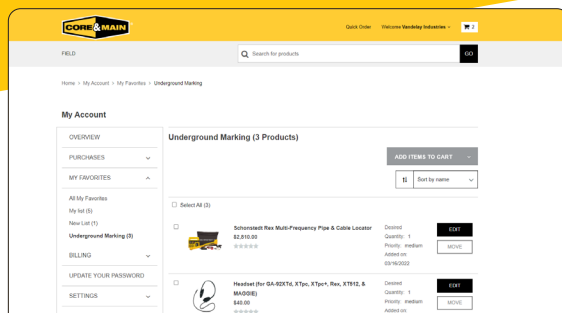
Multiparameter Electrodes provides the simplicity of using one electrode to measure multiple parameters.

C&M PART #	MFG PART #	ELECTRODE TYPE	JUNCTION TYPE	BODY TYPE	ATC	CONNECTOR
pH ELECTRODES FOR SENSION+ BENCHTOP METERS						
703770	LZW5010T.97.002	Gel-Filled	Single	Polycarbonate	Yes	BNC/ Banana Plug
703771	LZW5011T.97.002	Solid	Open	Glass	Yes	BNC/ Banana Plug
703772	LZW5014.97.0002	Refillable	Double	Glass	No	BNC
703773	LZW5014T.97.002	Refillable	Double	Glass	Yes	BNC/ Banana Plug
703774	LZW5021T.97.002	Refillable	Double	Glass	Yes	BNC/ Banana Plug
ORP ELECTRODES FOR SENSION+ BENCHTOP METERS						
703783	LZW5056.97.0002	Gel-Filled	Single	Glass	No	BNC
703784	LZW5057.97.0002	Refillable	Single	Glass	No	BNC
pH ELECTRODES FOR SENSION+ PORTABLE METERS						
703779	LZW5050T.97.002	Gel-Filled	Single	Polycarbonate	Yes	MP5
703780	LZW5051T.97.002	Solid	Single	Polycarbonate	Yes	MP5
703781	LZW5052T.97.002	Gel-Filled	Single	Glass	Yes	MP5
ORP ELECTRODES FOR SENSION+ PORTABLE METERS						
703782	LZW5055.97.0002	Gel-Filled	Single	Polycarbonate	No	MP5
MULTIPARAMETER ELECTRODES						
703785	LZW5059.97.0002	pH/ Conductivity	Single	Polycarbonate	Yes	MP8
703776	LZW5045.97.0002	pH/ORP	Single	Polycarbonate	Yes	MP8
703777	LZW5048.97.0002	pH/ORP/ Conductivity	Single	Polycarbonate	Yes	MP8

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703825	LZW9509.99	3M KCl Electrolyte Solution, 50 mL
703826	LZW9510.99	3M KCl Electrolyte Solution, 125 mL

SAVE TIME



Create quick lists of your favorite products. Organize items in job specific lists to streamline your ordering. Register for an account today at

supply.coreandmain.com



Thermo Scientific™ Orion pH & ORP Electrodes



Various Thermo Scientific Orion pH and ORP Electrodes are available to meet your measuring needs. Select from sealed or refillable, junction types and body material.

Thermo Scientific Orion Economy pH Combination Electrode is gel-filled and has single junction. Its unbreakable epoxy body extends beyond the pH sensing glass bulb for rugged conditions. It provides durability for lab or field use with a low-maintenance design that requires no fill solution.

Thermo Scientific Orion Standard pH Combination Electrodes include silver/silver chloride references that are widely used because of their accuracy and broad temperature range.

Thermo Scientific Orion Sure-Flow™ pH Combination Electrodes provide fast response in difficult samples and soils. Select from epoxy or glass body; epoxy body is ideal for field applications while glass body can handle higher temperatures and is ideal for laboratory applications.

Thermo Scientific Orion ROSS™ pH Combination Electrode offers readings to 0.01 pH in less than 30 seconds. This electrode provides results three to five times more precise than those obtained with conventional electrodes.

Thermo Scientific Orion ROSS Sure-Flow pH Electrodes are ideal for measuring thick or viscous samples but are compatible with all sample types. These electrodes with waterproof connector provide a clog-resistant, easy-to-clean sleeve junction.

Thermo Scientific Orion ROSS Ultra™ pH Electrodes provide the fastest response, highest accuracy and best reproducibility you can get with a pH electrode. These top performance electrodes are available as refillable or sealed and epoxy or glass body.

Thermo Scientific Orion Green pH Combination Electrodes contain no lead, mercury or other hazardous substances—making disposal of old electrodes easy and hassle free. These environmentally friendly electrodes meet RoHS requirements.

Thermo Scientific Orion RedOx/ORP Electrodes measure oxidizing or reducing state of a sample. C&M part # [706161](#) is a refillable, double platinum combination electrode that performs Karl Fischer titrations. Other ORP electrodes measure ORP and temperature simultaneously and feature durable epoxy body.

C&M PART #	MFG PART #	DESCRIPTION	JUNCTION	BODY	ATC	CONNECTOR
ECONOMY ELECTRODE						
706150	9106BNWP	Sealed	Single	Epoxy	No	BNC
STANDARD ELECTRODES						
705965	9104BNWP	Refillable	Single	Glass	No	BNC
705966	9107BNMD	Sealed	Single	Epoxy	Yes	BNC/MiniDIN
705967	9157BNMD	Refillable	Single	Epoxy	Yes	BNC/MiniDIN
705968	9107BN	Sealed	Single	Epoxy	Yes	BNC/DIN
705969	9157BN	Refillable	Single	Epoxy	Yes	BNC/DIN
SURE-FLOW ELECTRODES						
706151	9165BNWP	Refillable	Single, Flushable	Epoxy	No	BNC
706152	9172BNWP	Refillable	Single, Flushable	Glass	No	BNC
ROSS ELECTRODE						
706153	8102BN	Refillable	Double	Glass	No	BNC
ROSS SURE-FLOW ELECTRODES						
706154	8165BNWP	Refillable	Double, Flushable	Epoxy	No	BNC
706155	8172BNWP	Refillable	Double, Flushable	Glass	No	BNC
ROSS ULTRA ELECTRODES						
705970	8156BNUWP	Refillable	Double	Epoxy	No	BNC
705971	8157BNUMD	Refillable	Double	Epoxy	Yes	BNC/MiniDIN
706156	8157BNURCA	Refillable	Double	Epoxy	Yes	BNC/RCA
705972	8102BNUWP	Refillable	Double	Glass	No	BNC/RCA
705973	8107BNUMD	Sealed	Double	Epoxy	Yes	BNC/MiniDIN
705974	8107UWMMD	Sealed	Double	Epoxy	Yes	BNC/MiniDIN
705975	8107BNURCA	Sealed	Double	Epoxy	Yes	BNC/RCA
705976	8302BNUMD	Refillable	Double	Glass	Yes	BNC/MiniDIN
706157	8302BNURCA	Refillable	Double	Glass	Yes	BNC/RCA
GREEN ELECTRODES						
706158	GS9106BNWP	Sealed	Single	Epoxy	No	BNC
706159	GD9106BNWP	Sealed	Double	Epoxy	No	BNC
706160	GD9156BNWP	Refillable	Double	Epoxy	No	BNC
ORP ELECTRODES						
706161	9678BNWP	Refillable	Sure-Flow	Epoxy	No	BNC
706162	9179BNMD	Sealed	Single	Epoxy	Yes	BNC/MiniDIN
706163	9180BNMD	Refillable	Single	Epoxy	Yes	BNC/MiniDIN
706164	9179BN	Sealed	Single	Epoxy	Yes	BNC/DIN

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706165	917005	Orion Epoxy ATC Probe
706166	927005MD	Orion Epoxy ATC Probe with MiniDIN connector (ATC)

Hach IntelliCAL Ion Selective Electrodes

Combination IntelliCAL Ion Selective Electrodes (ISE) are reliable and easy to maintain. Built-in temperature sensor automatically compensates for varying temperatures for more accurate measurements. Electrodes store their own testing parameter, calibration history and settings, minimizing errors and setup time. Stored time and date stamp for each measurement, operator and sample ID along with pH probe serial number provide traceability for regulatory reporting.



FEATURES & BENEFITS

- Designed for use with Hach HQ and HQd meters
- Move between meters without recalibrating—reduces errors and saves time
- Digital solid-state technology provides fast, stable yet accurate readings

INCLUDES

Electrode, 1-m cable, test certificate and manual.

SPECIFICATIONS

C&M PART #	PARAMETER	RANGE (mg/L)	SAMPLE VOLUME (mL)	JUNCTION
703499	Ammonia	0.01 to 14,000 NH ₃ -N	15	Double Annular Junction
703502	Ammonium	0.018 to 9000 NH ₄ -N	15	Double Junction (Ceramic Porous Pin/Annular Porous PTFE)
703490	Chloride	0.1 to 35,500 Cl ⁻	25	Double Junction (Ceramic Porous Pin/Annular Porous PTFE)
703493	Fluoride	0.01 to 19,000 F ⁻	25	Annular Junction (PTFE)
703505	Nitrate	0.1 to 14,000 NO ₃ -N	25	Double Junction (Ceramic Porous Pin/Annular Porous PTFE)
703496	Sodium	0.023 to 23,000 Na ⁺	25	Double Porous Pin Junction

C&M PART #	MFG PART #	DESCRIPTION
HACH INTELLICAL AMMONIA ISE		
703499	ISENH318101	Ammonia Ion Selective Electrode, Sealed
702082	4447169	Ammonia ISA Powder Pillows, 100/Pk
700796	189149	Ammonia Calibration Solution (1 mg/L, 500 mL)
700567	15349	Ammonia Calibration Solution (10 mg/L, 500 mL)
701523	2406549	Ammonia Calibration Solution (100 mg/L, 500 mL)
HACH INTELLICAL AMMONIUM ISE		
703502	ISENH418101	Ammonium Ion Selective Electrode, Sealed
702042	2980699	Ammonium ISA Powder Pillows, 100/Pk
700796	189149	Ammonium Calibration Solution (1 mg/L, 500 mL)
700567	15349	Ammonium Calibration Solution (10 mg/L, 500 mL)
701523	2406549	Ammonium Calibration Solution (100 mg/L, 500 mL)
HACH INTELLICAL CHLORIDE ISE		
703490	ISECL18101	Chloride Ion Selective Electrode, Sealed
701423	2318069	Chloride ISA Powder Pillows, 100/Pk
701491	2370853	Chloride Calibration Solution (100 mg/L, 500 mL)
700576	18349	Chloride Calibration Solution (1000 mg/L, 500 mL)
HACH INTELLICAL FLUORIDE ISE		
703493	ISEF12101	Fluoride Ion Selective Electrode, Sealed
700904	258999	Fluoride ISA Powder Pillows, 100/Pk
700612	29149	Fluoride Calibration Solution (1 mg/L, 500 mL)
700629	35949	Fluoride Calibration Solution (10 mg/L, 500 mL)
700593	23249	Fluoride Calibration Solution (100 mg/L, 500 mL)

C&M PART #	MFG PART #	DESCRIPTION
HACH INTELLICAL NITRATE ISE		
703505	ISENO318101	Nitrate Ion Selective Electrode, Sealed
702043	2984799	Nitrate ISA Powder Pillows, 100/Pk
700825	204649	Nitrate Calibration Solution (1 mg/L, 500 mL)
700618	30749	Nitrate Calibration Solution (10 mg/L, 500 mL)
700807	194749	Nitrate Calibration Solution (100 mg/L, 500 mL)
700931	1279249	Nitrate Calibration Solution (1000 mg/L, 500 mL)
HACH INTELLICAL SODIUM ISE		
703496	ISENA381	Sodium Ion Selective Electrode, Refillable
702085	4451569	Sodium ISA Powder Pillows, 100/Pk
701424	2318153	Sodium Calibration Solution (100 mg/L, 500 mL)
701052	1474949	Sodium Calibration Solution (1000 mg/L, 500 mL)

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702282	5812711	Replacement Membrane Modules for Ammonia ISE, Pack of 3
702083	4447226	Filling Solution for Ammonia ISE, 50 mL
701678	2541259	Storage Solution for Ammonia ISE, 50 mL
701677	2541149	Conditioning Solution for Ammonia ISE, 500 mL
702010	2965126	Filling Solution for Sodium ISE, 59 mL

Hach Senson+ Ion Selective Electrodes

Hach Senson+ Ion Selective Electrodes (ISE) feature a unique solid-state sensor eliminating the need to replace the membrane every few months. This design provides up to 2 years of life from the ISE without membrane replacement saving you time and money.

FEATURES & BENEFITS

- Maintenance free—no electrolyte or spare membranes needed
- Solid-state sensor design allows for dry storage

INCLUDES

Electrode with 1-m Cable and Manual.



SPECIFICATIONS

PARAMETER	RANGE (mg/L)	BODY	SENSOR	JUNCTION
Ammonium	0.06 to 17,000 NH ₃	Epoxy	Solid-state PVC membrane	Porous PTFE Annular Ring
Calcium	0.02 to 4000 Ca ²⁺	Epoxy	Solid-state PVC membrane	Porous PTFE Annular Ring
Chloride	0.1 to 35,500 Cl ⁻	Epoxy	Solid-state crystal membrane	Porous PTFE Annular Ring
Fluoride	0.01 to 19,000 F ⁻	Epoxy	Solid-state crystal membrane	Porous PTFE Annular Ring
Nitrate	0.1 to 14,000 NO ₃	Epoxy	Solid-state PVC membrane	Porous PTFE Annular Ring
Sodium	0.05 to 23,000 Na ⁺	Glass	Glass Membrane	—

C&M PART #	MFG PART #	DESCRIPTION
HACH SENSION+ AMMONIUM ISE		
703839	LZW9663C.97.002	Ammonium Ion Selective Electrode, Combination
702042	4447169	Ammonium ISA Powder Pillows, 100/Pk
700796	189149	Ammonium Calibration Solution (1 mg/L, 500 mL)
700567	15349	Ammonium Calibration Solution (10 mg/L, 500 mL)
701523	2406549	Ammonium Calibration Solution (10 mg/L, 500 mL)
HACH SENSION+ CHLORIDE ISE		
703830	LZW9652C.97.002	Chloride Ion Selective Electrode, Combination
701423	2318069	Chloride ISA Powder Pillows, 100/Pk
701491	2370853	Chloride Calibration Solution (10 mg/L, 500 mL)
700576	18349	Chloride Calibration Solution (1000 mg/L, 500 mL)
HACH SENSION+ FLUORIDE ISE		
703833	LZW9655C.97.002	Fluoride Ion Selective Electrode, Combination
700904	258999	Fluoride ISA Powder Pillows, 100/Pk
700612	29149	Fluoride Calibration Solution (1 mg/L, 500 mL)
700629	35949	Fluoride Calibration Solution (10 mg/L, 500 mL)
700593	23249	Fluoride Calibration Solution (10 mg/L, 500 mL)

C&M PART #	MFG PART #	DESCRIPTION
HACH SENSION+ NITRATE ISE		
703836	LZW9662C.97.002	Nitrate Ion Selective Electrode, Combination
702043	2984799	Nitrate ISA Powder Pillows, 100/Pk
700825	204649	Nitrate Calibration Solution (1 mg/L, 500 mL)
700618	30749	Nitrate Calibration Solution (10 mg/L, 500 mL)
700807	194749	Nitrate Calibration Solution (10 mg/L, 500 mL)
700931	1279249	Nitrate Calibration Solution (1000 mg/L, 500 mL)
HACH SENSION+ SODIUM ISE		
703827*	LZW9650.97.0002	Sodium Ion Selective Electrode, Half Cell
703775	LZW5044.97.0002	Reference Electrode for Sodium ISE
702085	4451569	Sodium ISA Powder Pillows, 100/Pk
701424	2318153	Sodium Calibration Solution (10 mg/L, 500 mL)
701052	1474949	Sodium Calibration Solution (1000 mg/L, 500 mL)

*Requires a reference electrode C&M Part # 703775.

Choose from our wide selection of
Hach IntelliCAL Electrodes



See **page 154 and 157** for details and order information.

Thermo Scientific™ Orion™ Ion Selective Electrodes

Rely on Orion Ion Selective Electrodes (ISE) for excellent performance and reproducible results. Order NIST-traceable standards along with ionic strength adjusters, reagents and fill solutions for all ISE measurement needs.



ThermoFisher
SCIENTIFIC

[706176](#)

[705989](#)

[705993](#)

C&M PART #	MFG PART #	DESCRIPTION
ORION HIGH-PERFORMANCE AMMONIA ION SELECTIVE ELECTRODES; 0.1 TO 17,000 PPM		
705977	9512HPBNWP	Orion High-Performance Ammonia Electrode
705980	951207	Ammonia Standard, 100 ppm
705981	951007	Ammonia Standard, 1000 ppm
706170	951209	Fill Solution for Ammonia High Performance ISE, 60 mL
705983	951215	Gas-Sensing ISE membranes for Gas-Sensing Ion Selective Electrode
ORION CLASSIC AMMONIA ION SELECTIVE ELECTRODES		
705984	9512BNWP	Orion Ammonia Gas-Sensing ISE Electrode, 5.87"
705980	951207	Ammonia Standard, 100 ppm
705981	951007	Ammonia Standard, 1000 ppm
705986	951202	Fill Solution for Ammonia ISE, 60 mL
705987	951204	Ammonia ISE Probe Membranes, Pack of 20
705988	951205	Ammonia ISE Probe Membrane Caps, Pack of 3
ORION CHLORIDE ION SELECTIVE ELECTRODES WITH IONPLUS SURE-FLOW JUNCTION		
706171	9617BNWP	Orion Chloride Combination Ion Selective Electrode
706172	941707	Chloride Standard, 100 ppm
706173	940011	Chloride ISA, 475 mL
706174	941709	Complexation Ionic Strength Adjuster (CISA) for Chloride Electrode
706175	900062	Chloride Fill Solution, 60 mL
ORION CHLORINE ION SELECTIVE ELECTRODES		
706176	9770BNWP	Orion Chlorine Electrode with Waterproof BNC connector
706177	977011	Acid Reagent for Residual Chlorine Electrode, 475 mL
706178	977007	Residual Chlorine Standard, 100 ppm
706179	977010	Iodide Reagent for Residual Chlorine Electrode, 50 mL, Pack of 5
ORION CYANIDE ION SELECTIVE ELECTRODES WITH IONPLUS SURE-FLOW JUNCTION		
706180	9606BNWP	Orion Cyanide Electrode with BNC Waterproof Connection
706175	900062	Fill Solution, 60 mL, Pack of 5
ORION FLUORIDE ION SELECTIVE ELECTRODES WITH IONPLUS SURE-FLOW JUNCTION		
705989	9609BNWP	Orion Ionplus Sure-Flow™ Solid State Combination Fluoride Electrode
706182	40906	AQUALAB 3 AQ2 Water Activity Meter
705990	940907	Fluoride Standard, 100 ppm
705991	940909	TISAB II for Fluoride Electrode, 3.8 L

C&M PART #	MFG PART #	DESCRIPTION
ORION FLUORIDE HALF-CELL ION SELECTIVE ELECTRODES		
705993	9409BN	Orion Fluoride Half-Cell with BNC Connector
705994	900100	Orion Sure-Flow Reference Half-Cell Electrode
705991	940909	TISAB II for Fluoride Electrode, 3.8 L
705990	940907	Fluoride Standard, 100 ppm
706181	900001	Filling Solution for Single-Junction Sure-Flow Reference Electrodes, 60 mL, Pack of 5
ORION NITRATE ION SELECTIVE ELECTRODES WITH IONPLUS SURE-FLOW JUNCTION		
706185	9707BNWP	Orion Combination Nitrate Electrode with Waterproof BNC Connector
706192	930707	Nitrate Standard, 100 ppm
706186	930711	ISA for Fluoroborate, Nitrate, Perchlorate Electrodes, 475 mL
706187	930710	Nitrate Interference Suppressor Solution for Nitrate Electrode, 475 mL
706188	900046	Optimum Results F Fill Solution for Nitrate and Nitrite ISE, 60 mL, Pack of 5
706189	970701	Orion Nitrate Sure-Flow Combo Electrode Replace Module 9707BNWP
ORION NITRATE HALF-CELL ION SELECTIVE ELECTRODES		
706190	9307BNWP	Orion Half-Cell Nitrate Electrode with Waterproof BNC Connector
706191	900200	Orion Sure-Flow Reference Half-Cell Electrode
706188	900046	Optimum Results F Fill Solution for Nitrate and Nitrite ISE, 60 mL, Pack of 5
706192	930707	Nitrate Standard, 100 ppm
706186	930711	ISA for Fluoroborate, Nitrate, Perchlorate Electrodes, 475 mL
706187	930710	Nitrate Interference Suppressor Solution for Nitrate Electrode, 475 mL
706193	930701	Orion Nitrate Sure-Flow Combo Electrode Replace Module 9707BNWP
706194	900002	Double Junction Sure-Flow Reference Electrode Inner Chamber, 60 mL, Pack of 5
ORION SULFIDE ION SELECTIVE ELECTRODES WITH IONPLUS SURE-FLOW JUNCTION		
706195	9616BNWP	Orion Ionplus Sure-Flow Solid Combo WPBNC Silver/Sulfide Electrode
706196	941609	Sulfide Antioxidant Buffer (SAOB) for Sulfide Electrode, 475 mL, Pack of 4

Hach HQ1110 Digital Portable pH/ORP/mV Meter

Hach HQ Portable Digital pH/ORP/mV Meter is designed for water quality professionals who want to perform electrochemical analysis both in the field and the lab. Use meters with Hach Standard or Rugged IntelliCAL Probes. Probes are automatically recognized by the meter and will retain calibration data to minimize errors and setup time. View step-by-step calibration and troubleshooting instructions on the large display. Easy to follow instructions ensure accurate measurements and fewer user errors. Order meter package that comes with an electrode, solutions and more—everything you need to get started—to get up and running right away.



FEATURES & BENEFITS

- Automatically recognizes the type of IntelliCAL smart probe connected
- View pH or mV, temperature, calibration status and probe name on the large TFT color display
- Step-by-step illustrated calibration and troubleshooting instructions reduce errors
- Store up to 5000 measurements with date, time, sample ID, operator ID and calibration
- Export data to a PC or USB storage device via USB connection

INCLUDES

Meter Only includes: Meter, lanyard, USB power adapter, Type A to micro USB cable, lithium-ion batteries and user manual.

Meter Kits: Include everything the meter includes plus a pH electrode, kickstand, gloves, disposable wipes (pack of 280) and 20 each of single-use buffers pH 4.01, 7.00, and 10.01.

SPECIFICATIONS

PARAMETER	pH	mV	TEMPERATURE (°C)
Range	0 to 14	±1200.0 per Hach website	-10.0 to 110.0
Resolution	0.001/0.01/0.1	0.1	0.1
Accuracy	±0.02	±0.02 or 0.05% (Whichever is Greater)	±0.3
Calibration points	Up to 3	—	—
Slope Calculation & Display	Yes		
Memory	5000 Data Sets		
Data Output	USB		
Power	4 x "AA" or Rechargeable Nickel Metal Hydride (NiMH) batteries (per manual)		

CERTIFICATIONS

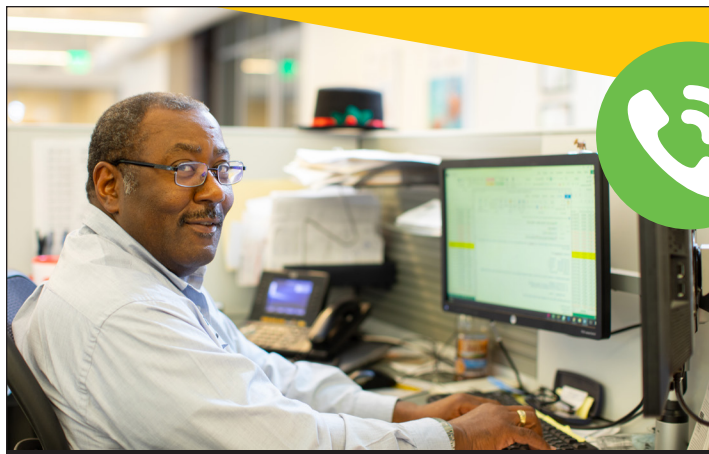
- IP67, EPA Compliant

[700040](#)

[700039](#)

[700042](#)

C&M PART #	MFG PART #	DESCRIPTION
HQ1110 PH/ORP/MV METERS & METER KITS		
700036	LEV015.53.1110A	HQ1110 Digital Portable pH/ORP/mV Meter Only
700037	LEV015.53.11101	HQ1110 Digital Portable pH/ORP/mV Meter Kit with Gel-Filled pH Electrode PHC20101
700038	LEV015.53.11102	HQ1110 Digital Portable pH/ORP/mV Meter Kit with Gel-Filled pH Electrode PHC10101
STANDARD PROBES (EPOXY BODY)		
700040	PHC10101	IntelliCAL Standard Low-Maintenance Gel-Filled pH Electrode, 1-m Cable
700039	PHC20101	IntelliCAL Standard General-Purposes Gel-Filled pH Electrode, 1-m Cable
700041	MTC10101	IntelliCAL Standard Low-Maintenance Gel Filled ORP/RedOx Electrode, 1-m Cable
703948	MTC30101	IntelliCAL Standard General-Purpose Refillable ORP/RedOx Electrode, 1-m Cable
RUGGED PROBES (IP68 SS BODY, POLYMER SENSOR SHROUD)		
700042	PHC10105	IntelliCAL Rugged Low-Maintenance Gel-Filled pH Electrode, 5-m Cable
700043	MTC10105	IntelliCAL Rugged Low-Maintenance Gel-Filled ORP/RedOx Electrode, 5-m Cable



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Need application advice or help to locate a part? Contact our technical specialists, they are here to help!

1-888-885-2673

Hach Pocket Pro & Pocket Pro+ pH Testers

Hach Pocket Pro® and Pro+ pH Testers are engineered to deliver accurate results. Featuring built-in performance diagnostics, you never have to guess when to clean or calibrate the sensor. Three-point calibration ensures reliable measurements every time. Easily view pH readings and battery status on the large, easy-to-read LCD screen. Included lanyard helps prevent dropping it in the water while a built-in pocket clip makes it easy to carry around.



INCLUDES

Tester, lanyard, 4 AAA batteries, calibration solution and quick start guide.

SPECIFICATIONS

C&M PART #	702538	702538
Range (pH)	0.0 to 14.0	0.0 to 14.0
Resolution (pH)	0.1	0.01
Accuracy (pH)	±0.1	±0.02
Calibration	Up to 3	Up to 3
Buffer	4.01, 6.86, 7.00, 9.18, 10.01	4.01, 6.86, 7.00, 9.18, 10.01
ATC	Yes	Yes
Sample Volume (mL)	7	9
Backlight	No	Yes
Power	4 AAA Batteries	4 AAA Batteries

CERTIFICATIONS

- IP67, EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
702538	9531000	Pocket Pro pH Tester
702547	9532000	Pocket Pro+ pH Tester w/ Replaceable Sensor

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702548	9532001	Hach Replacement Sensor for Pocket Pro+ pH Tester

Hach Pocket Pro & Pocket Pro+ ORP Testers

Hach Pocket Pro and Pro+ ORP Testers deliver accurate results in a compact size. Built-in diagnostics, one-point calibration and a large, easy-to-read LCD screen make it simple to use. A convenient sample cup helps make maintenance and measuring quick and easy. Included lanyard helps prevent dropping it in the water while a built-in pocket clip makes it easy to carry around.



INCLUDES

Tester, lanyard, sample cup/cap, (4) AAA batteries and quick-start guide. One-year warranty.

SPECIFICATIONS

C&M PART #	702539	702549
Range (mV)	±999	±999
Resolution (mV)	1	1
Accuracy (mV)	±2	±2
Calibration	Auto	Auto
ATC	No	No
Sample volume (mL)	7	9
Backlight	No	Yes
Power	4 AAA Batteries	4 AAA Batteries

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
702539	9531100	Pocket Pro ORP Tester
702549	9532100	Pocket Pro+ ORP Tester w/ Replaceable Sensor

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702550	9532101	Replacement Sensor for Pocket Pro+ ORP Tester

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Count on Core & Main to provide a quality product assortment from trusted brands, access to industry and product experts, and best-in-class service.



Hach Sension+ pH31 Benchtop pH/ORP Kits

Hach Sension+ pH31 Benchtop Meter is an excellent choice for measuring pH and ORP in the lab. Simple to use, the meter comes with fully integrated laboratory set up, including a magnetic stirrer and electrode holder. There is even dedicated storage for your buffers.

Simple navigation menu and interface provide fast set up. Automatic temperature compensation (ATC) maintains reading accuracy even with fluctuating temperatures. Three-point pH calibration with automatic buffer recognition makes for easy calibration. Temperature adjustment can be done at 25°C and/or 85°C to ensure accurate pH readings. Take measurements continuously or intermittently (once stable reading is reached) with a push of a button.

Meter stores up to 330 measurements; connect to a PC or printer via RS-232 interface for later analysis. Meter ensures compliance with Good Laboratory Practice (GLP) guidelines with saved date and time stamp, instrument ID and sample ID information.



FEATURES & BENEFITS

- Fast performing electrodes give quick results
- Auto buffer recognition—IUPAC standards (DIN 19266) or Technical buffer (DIN 19267)
- RS-232 interface for connection to a PC or printer
- Store up to 330 measurements
- Complete bidirectional control via the PC using optional LabCom Easy Software

INCLUDES

Kits include meter with workstation, Sension+ electrode, buffers (pH 4, 7 and 10), storage solution, three calibration beakers, power supply with interchangeable plugs and manual. Three-year meter warranty.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
pH	-2 to 16	0.001/0.01/0.1 selectable	±0.002 ±1 digit
mV	-2000	0.1/1	±0.2 ±1 digit
Temperature (°C)	-20 to 150.0	0.1	±0.2 ±1 digit
ATC	Yes		
Slope Calculation and Display	Yes		
Memory	330 Measurements and Last 9 Calibrations		
Output	Yes, RS-232 or Serial to USB		
Power (VAC, Hz)	115/230, 50/60		

C&M PART #	MFG PART #	DESCRIPTION
703571	LPV2100.97.0002	pH31 Benchtop Meter Only
703572	LPV2110T.97.002	pH 31 Kit with 5010T General-Purpose Electrode
703573	LPV2111T.97.002	pH 31 Kit with 5011T Electrode for High Solid Content or Viscous Samples
703574	LPV2114T.97.002	pH 31 Kit with 5014T Electrode for Samples that React with Silver Ions
703575	LPV2121T.97.002	pH 31 Kit with 5021T Electrode for Low Ionic Strength Samples

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703770	LZW5010T.97.002	5010T General-Purpose pH Electrode, Sealed
703771	LZW5011T.97.002	5011T pH Electrode for High Solid Content or Viscous Samples, Sealed
703773	LZW5014T.97.002	5014T pH Electrode for Samples that React with Silver Ions, Refillable
703774	LZW5021T.97.002	5021T pH Electrode for Low Ionic Strength Samples, Refillable
703783	LZW5056.97.0002	5056 General-Purpose ORP Electrode, Sealed
703784	LZW5057.97.0002	5057 General-Purpose ORP Electrode, Refillable
703824	LZW9500.99	Filling Solution for Refillable Sension+ Electrodes, 3 M KCl, 250 mL

HOW TO ORDER



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EMAIL

support.supply@coreandmain.com

HOURS OF OPERATION: M-F; 6 A.M. to 7 P.M. CST

Hach HQd pH/ORP Digital Benchtop Meters

Designed for water quality experts, the Hach HQ411D Digital Benchtop pH/ORP Meter has advanced features that takes the guesswork out of pH/ORP measurements. Simple user interface, icon-based keypad and large backlit display make it an ideal meter in any lab. Easily transfer data to a computer or flash drive using the USB port. Meter accepts an IntelliCAL electrode that stores calibration history and method settings to minimize errors and setup time.

Hach IntelliCAL Laboratory Electrodes provide the most reliable and accurate results with each measurement. Each electrode stores time and date stamp for each measurement, operator and sample ID, calibration history, parameter and probe serial number. Order meter package that comes with an electrode, solutions and more—everything you need to get started—to get up and running right away.

FEATURES & BENEFITS

- Ideal for measuring pH or mV/RedOx/ORP in wastewater, drinking water or general water quality applications
- One-, two-, or three-point calibration ensures accurate measurements
- Automatically recognizes the type of IntelliCAL smart probe connected
- Store up to 5000 measurements with date, time, sample ID, operator ID and calibration
- Export data to a PC or USB storage device via USB connection

INCLUDES

Meter includes: four AA batteries, universal power supply with plug and operator manual. Meter kit includes everything the meter includes plus pH electrode (PHC10101) universal electrode stand with holder, 500 mL each of pH buffers 4.01, 7.00, and 10.01, 500 mL of pH electrode solution. Three-year warranty (meter); six-month warranty (electrodes).

SPECIFICATIONS

PARAMETER	pH	mV	TEMPERATURE (°C)
Range	0 to 14	±1500.0 per Hach website	-10.0 to 110.0
Resolution	0.001/0.01/0.1	0.1	0.1
Accuracy	±0.02	±0.02 or 0.05% (Whichever is Greater)	±0.3
Calibration points	Up to 3	—	—
Slope Calculation & Display	Yes		
Memory	500 Data Sets		
Data Output	USB		
Power	4 x "AA" or Rechargeable Nickel Metal Hydride (NiMH) batteries (per manual)		

CERTIFICATIONS

- IP67, EPA Compliant



C&M PART #	MFG PART #	DESCRIPTION
703486	HQ411D	Laboratory pH/ORP Meter Only
702368	8509500	Laboratory pH/ORP Meter Package with PHC10101 pH Electrode

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700040	PHC10101	IntelliCAL Low-Maintenance Gel-Filled pH Electrode, 1-m Cable
703999	PHC30101	IntelliCAL General-Purpose Refillable pH Electrode, 1-m Cable
703997	PHC28101	IntelliCAL Water Quality Refillable pH Electrode, 1-m Cable
700041	MTC10101	IntelliCAL Low Maintenance Gel-Filled ORP/RedOx Electrode, 1-m Cable
703948	MTC30101	IntelliCAL General-Purpose Refill ORP/RedOx Electrode, 1-m Cable

ANSELL MICROFLEX GLOVES

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MICROFLEX®

For details and order information, see **pages 102-108.**

Hach Sension+ pH3 Benchtop pH/ORP Kits

Sension+ pH3 Benchtop Kits come complete with everything you need to accurately measure pH and ORP. Simple to use, the meter comes with fully integrated laboratory set up, including an electrode, magnetic stirrer and electrode holder. There is even dedicated storage for your buffers to help you stay organized.

Meter features simple navigation menu and interface for fast set up. Automatic temperature compensation (ATC) maintains reading accuracy even with fluctuating temperatures. Three-point pH calibration with automatic buffer recognition makes for easy calibration. Take measurements continuously or intermittently (once stable reading is reached) with a push of a button.

FEATURES & BENEFITS

- Automatic buffer recognition— IUPAC standards (DIN 19266) or technical buffer (DIN 19267)
- View pH or mV, time/date, sample temperature and timer on the large LCD



INCLUDES

Kit includes meter with workstation, Sension+ electrode, buffers (pH 4, 7 and 10), storage solution, three calibration beakers, power supply with interchangeable plugs and manual. Three-year meter warranty.

SPECIFICATIONS

PARAMETER	RANGE	RESOLUTION	ACCURACY
pH	-2.00 to 16.00	0.01	±0.01
mV	±2000	1	±1
Temperature (°C)	-20.0 to 150.0	0.1	±0.2
ATC	Yes		
Power (VAC, Hz)	115/230, 50/60		

C&M PART #	MFG PART #	DESCRIPTION
703567	LPV2010T.97.002	pH 3 Kit with 5010T General-Purpose Electrode
703568	LPV2011T.97.002	pH 3 Kit with 5011T Electrode for High Solid Content or Viscous Samples
703569	LPV2014T.97.002	pH 3 Kit with 5014T Electrode for Samples that React with Silver Ions
703570	LPV2021T.97.002	pH 3 Kit with 5021T Electrode for Low Ionic Strength Samples

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703770	LZW5010T.97.002	5010T General-Purpose pH Electrode, Sealed
703771	LZW5011T.97.002	5011T pH Electrode for High Solid Content or Viscous Samples, Sealed
703773	LZW5014T.97.002	5014T pH Electrode for Samples that React with Silver Ions, Refillable
703774	LZW5021T.97.002	5021T pH Electrode for Low Ionic Strength Samples, Refillable
703783	LZW5056.97.0002	5056 General-Purpose ORP Electrode, Sealed
703784	LZW5057.97.0002	5057 General-Purpose ORP Electrode, Refillable
703824	LZW9500.99	Filling Solution for Refillable Sension+ Electrodes, 3 M KCl, 250 mL

Hach Color Disc Phosphate Test Kits



Hach's fast and reliable phosphate test kits are supplied with all the tools needed for phosphate and orthophosphate (reactive) tests. Simply add the reagent to the sample, place in the color comparator box and compare the color to the continuous color disc. Test strips yield results in five minutes or less. Select from clean water only or clean water/turbid water kits.

INCLUDES

Color disc, reagents, color comparator box, two glass bottles, two viewing tubes with caps, carrying case and instruction manual.

SPECIFICATIONS

C&M PART #	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)	WATER TYPE
700858	0.02 to 1.00; 0.1 to 5.0; 1 to 50	0.02, 0.1 and 1	20	Clean
700859	0.1 to 5.0; 1 to 50	0.1 and 1	20	Clean/Turbid

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700858	224800	Phosphorus, Orthophosphate (Reactive) Test Kit, Model PO-19	100
700859	224801	Phosphorus, Orthophosphate (Reactive) Test Kit, Model PO-19A	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700844	220999	PhosVer® 3 Phosphate Reagent Powder Pillows	100

Hach Phosphate Test Strips

Hach Phosphate Test Strips are manufactured with a unique reagent pad at the tip, using proven chemistries based on standard reference methods. Just dip the strip, wait until color development occurs, and compare the color of the reacted pad to the chart printed on the bottle. Available in bottles of 50 test strips.



SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)
Phosphorus, Orthophosphate (reactive) - as PO ₄	0 to 50	0, 5, 15, 30, 50

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
701895	2757150	Phosphorus, Orthophosphate (Reactive) Test Strips	50

Hach Phosphate DR300 Pocket Colorimeter

The Hach Phosphate DR300 Pocket Colorimeter maintains Hach's legacy of reliable phosphate and phosphonate measurements for water testing and process control while providing state-of-the-art features.



FEATURES & BENEFITS

- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	PHOSPHATE (EPA COMPLIANT)	PHOSPHONATE (PROCESS CONTROL)
Method	PhosVer 3 [®]	PhosVer 3 with Persulfate UV Oxidation
Range (mg/L)	0.02 to 3.00	0.1 to 125
Sample Size (mL)	10	10
Battery Life	Up to 5000 tests	Up to 5000 tests
Battery Type	Four "AAA" alkaline batteries	Four "AAA" alkaline batteries

CERTIFICATIONS

- IP67, EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
700106	LPV445.97.06110	DR300 Phosphate Colorimeter
PHOSPHATE REAGENTS		
701207	2106069	PhosVer 3 Powder Pillows, Pack of 100
701206	2106028	PhosVer 3 Powder Pillows, Pack of 1000
701656	2508025	PhosVer 3 AccuVac [®] Ampules, Pack of 25
PHOSPHONATE REAGENTS		
701207	2106069	PhosVer 3 Powder Pillows, Pack of 100
701162	2084769	Potassium Persulfate Powder Pillows, Pack of 100
701556	2429700	Phosphonate Reagent Set, 10 mL (Contains two of C&M Part # 701207 and one of C&M Part # 701162)

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700900	256949	Phosphate Standard Solution, 1.0 mg/L, 500 mL
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6
701157	2082800	UV Lamp Kit, 115 VAC
701521	2405200	AccuVac Snapper

Hach Replacement Phosphorus Testing Reagents



Hach Replacement Phosphorus Testing Reagents are premeasured to save time and reduce waste while providing accurate results. These reagents are formulated to use with Hach meters and test kits.

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	RANGE (MG/L)	# TESTS
PHOSVER 3 POWDER PILLOWS				
700834	212599	Reactive, 25 mL	0.02 to 2.50	100
700833	212528	Reactive, 25 mL	0.02 to 2.50	1000
701207	2106069	Reactive, 10 mL	0.02 to 2.50	100
701206	2106028	Reactive, 10 mL	0.02 to 2.50	1000
700844	220999	Reactive, 5 mL	0 to 5; 0 to 50	100
PHOSVER 3 ACCUVAC				
701656	2508025	Reactive	0.02 to 2.50	25
TEST 'N TUBE PHOSPHORUS REAGENTS				
701868	2742645	Total, LR	0.06 to 3.50	50
701869	2742745	Total & Acid Hydrolyzable, LR	0.06 to 3.50	50
701867	2742545	Reactive, LR	0.06 to 5.00	50
701904	2767345	Reactive, HR	1.0 to 100.0	50
701903	2767245	Total, HR	1.0 to 100.0	50
TNTPLUS PHOSPHORUS REAGENTS				
700166	TNT846	Reactive	1.6-3.00 mg/L PO ₄ -P, (5-90 mg/L PO ₄)	25
700163	TNT843	Reactive & Total, LR	0.05-1.50 mg/L PO ₄ -P, (0.15-4.50 mg/L PO ₄)	25
700164	TNT844	Reactive & Total, HR	0.5-5.00 mg/L PO ₄ -P, (1.5-15.0 mg/L PO ₄)	25
700165	TNT845	Reactive & Total, UHR	2.0-20 mg/L PO ₄ -P, (6-60 mg/L PO ₄)	25
PHOSPHORUS REAGENTS FOR DR3900 & DR6000				
703485	HPT487	Reactive, ULR	0.01 to 0.50 PO ₄ -P	20
CHEMKEY PHOSPHORUS REAGENTS				
700125	8636600	Orthophosphate, LR	0.20 to 4.00 PO ₄	25
700124	8636500	Orthophosphate, HR	2.0 to 30.0 PO ₄	25

LabExact® Prewashed & Preweighed Filters

Prepared filters are an effective time saver that removes a step from your workflow while maintaining high levels of quality assurance. All filters are processed to US EPA Standard Method 2540 C, D and E. Select from Total Suspended Solids (TSS) only filters or TSS/ Volatile Suspended Solids (VSS) filters.

Prewashed LabExact Glass Fiber Filters are washed, dried and ready to be weighed in the lab. They are processed using reagent grade water (RGW) under strict controls to wash away extraneous. Filters are packaged in a plastic container, in stacks without weighing pans or bar coding.

Preweighed LabExact Glass Fiber Filters are washed using reagent grade water, dried, desiccated and weighed to four decimal place resolution. Each binderless glass fiber filter is individually packaged in a pan with a serial number, weight and barcode for scanning. Filters are packaged as 100 washed, dried and tared ready-to-use filters and pans with a 1.5µm porosity.

CERTIFICATIONS

- EPA Compliant



C&M PART #	MFG PART #	DESCRIPTION	DIAMETER
PREWASHED & DRIED GLASS FIBER FILTERS			
705504	TSS-WD-4700	Glass Fiber Filters for TSS	47 mm
705505	TSS-WD-9000	Glass Fiber Filters for TSS	90 mm
705506	AH-WD-4700	934-AH® Glass Fiber Filters for TSS or VSS	47 mm
705507	AH-WD-9000	934-AH Glass Fiber Filters for TSS or VSS	90 mm
PREWASHED & PREWEIGHED GLASS FIBER FILTERS			
705508	TSS-WDT-4700	Glass Fiber Filters for TSS	47 mm
705509	TSS-WDT-9000	Glass Fiber Filters for TSS	90 mm
705510	AH-WFT-4700	934-AH Glass Fiber Filters for TSS or VSS	47 mm
705511	AH-WFT-9000	934-AH Glass Fiber Filters for TSS or VSS	90 mm

LabExact® 934-AH Glass Fiber Filters

LabExact 934-AH Glass Fiber Filters are produced from 100% borosilicate glass microfiber without the use of binders or strengthening agents. This material is the standard for suspended solids content and related measurements (Standard Methods 2540D and EPA Method 160.2). Binderless borosilicate glass microfiber enables use up to 550°C.

FEATURES & BENEFITS

- Made without the use of binders or strengthening agents
- Fast flow rate with a 1.5µm size particle retention
- Packaged in quantities of 100



CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DIMENSIONS
705481	AH2100	21 mm Diameter
705482	AH2400	24 mm Diameter
705483	AH2500	25 mm Diameter
705484	AH3200	32 mm Diameter
705485	AH3500	35 mm Diameter
705486	AH3700	37 mm Diameter
705487	AH4250	42.5 mm Diameter
705488	AH4700	47 mm Diameter

C&M PART #	MFG PART #	DIMENSIONS
705489	AH5500	55 mm Diameter
705490	AH7000	70 mm Diameter
705491	AH8260	82.6 mm Diameter
705492	AH9000	90 mm Diameter
705493	AH1100	110 mm Diameter
705494	AH1250	125 mm Diameter
705495	AH1500	150 mm Diameter
705496	AHS810	8" x 10" Sheets

LabExact® TSS Glass Fiber Filters

LabExact Grade TSS Glass Fiber Filters utilize a binderless high-efficiency (HEPA type) filter medium with particle retention of 1.5 µm. Liquid filtration properties have been specifically designed for EPA Methods 2540C and 2540D for testing dissolved and suspended solids in water and wastewater.

FEATURES & BENEFITS

- Pore Size 1.5µm
- Excellent wet strength
- High flow rate with high capacity
- Packaged in quantities of 100



CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DIMENSIONS
705620	TSS2100	21 mm Diameter
705621	TSS2400	24 mm Diameter
705622	TSS2500	25 mm Diameter
705623	TSS3200	32 mm Diameter
705624	TSS3500	35 mm Diameter
705625	TSS3700	37 mm Diameter
705626	TSS4250	42.5 mm Diameter
705627	TSS4700	47 mm Diameter
705628	TSS5500	55 mm Diameter

C&M PART #	MFG PART #	DIMENSIONS
705629	TSS7000	70 mm Diameter
705630	TSS8260	82.6 mm Diameter
705631	TSS9000	90 mm Diameter
705632	TSS1020	102 mm Diameter
705633	TSS1100	110 mm Diameter
705634	TSS1250	125 mm Diameter
705635	TSS1500	150 mm Diameter
705636	TSS810	8" x 10" Sheet

Whatman® Grade 934-AH Glass Microfiber Filters

Whatman Grade 934-AH borosilicate glass microfiber filters have high retention efficiency, high flow rates for large-volume filtration. These filters are specified as a filter for solids testing in Standard Method 2540. Filters are available with a pore size of 1.5µm and sold in package quantities of 100.

FEATURES & BENEFITS

- High loading capacity enables efficient filtration of suspended solid.
- Smooth surface provides efficient precipitate recovery.
- High loading capacity enables processing of turbid solutions.
- Withstands temperatures up to 550°C.
- Low fiber shedding.

C&M PART #	MFG PART #	DIMENSIONS
705949	1827-021	21 mm
705950	1827-024	24 mm
705951	1827-025	25 mm
705952	1827-032	32 mm
705953	1827-042	42.5 mm
705954	1827-047	47 mm
705955	1827-055	55 mm
705956	1827-070	70 mm
705957	1827-090	90 mm
705958	1827-110	110mm
705959	1827-125	125 mm
705960	1827-150	150 mm



Ohaus® MB90 & MB120 Moisture Determination Balances

Measuring moisture content has never been easier than with the MB90 & MB120 Moisture Analyzers. The halogen heating and reflective sample chamber distribute heat uniformly and speed up the drying process, delivering fast and precise measurements. Designed for tool-free cleaning, its components can be easily removed for quick and easy maintenance.



Intuitive icon-driven menu and easy-to-read touchscreen display make operation quick and simple. Test endpoint shutoff criteria lets you determine when to end the drying. M90 Balance has three settings—manual, timed or auto. MB120 has seven settings—manual, timed, autofree %/s, autofree mg/s, A30, A60 and A90. Auto setting ends the test automatically once moisture loss is no longer detected. A USB and RS-232 interfaces allow quick connections to a PC or flash drive for data transfer.

FEATURES & BENEFITS

- Percent moisture determination, percent moisture regain determination, percent solid determination, weighing.
- 4.3" TFT color touchscreen display for quick operation.
- Three shutoff criteria for M90; seven shutoff criteria for M120.
- GLP/GMP data including date, time, company name, department and instrument ID.
- 14 operational languages

INCLUDES

Balance, draft shield, tray pan, sample pans, pan support, glass fiber pad, pan-handle, spoon, power cable and quick guide. Two-year warranty.

SPECIFICATIONS:

C&M PART #	706056	706053
Capacity (g)	90	120
Readability	0.01% / 0.001 g	0.01% / 0.001 g
Repeatability	±0.18% (3g Sample); ±0.02% (10g Sample)	±0.05% (3g Sample); ±0.015% (10g Sample)
Temperature Range (°C)	40 to 200	40 to 230
Temperature Readability (°C)	1	1
Drying profiles	Standard, fast	Ramp, standard, step, fast
Pan size (in., mm)	3.5 (90)	
Heating	Halogen Lamp	
Output	USB host, USB device and RS-232	
Power (VAC, Hz)	120, 60	

C&M PART #	MFG PART #	DESCRIPTION
706056	30241164	MB90 Moisture Determination Balance
706053	30241165	MB120 Moisture Determination Balance

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706064	80252476	Ohaus Pan Holder for Moisture Balances (MB23, MB25, MB27)
706065	80850086	Ohaus Aluminum Sample Pans for Moisture Balances, Pack of 80
706680	7228-1	Troemner Ultra Class Analytical Weight Set, Class 1, 21-Piece
706681	7224-1	Troemner Ultra Class Analytical Weight Set, Class 1, 9-Piece

Shel Lab Digital Laboratory Ovens



These Digital Laboratory Ovens have triple wall construction to ensure the outside stays cool even when the inside temperature is at its maximum of 306°C. Ovens feature a 99 hr. 59 min. countdown timer; when the timer reaches zero, the oven shuts off.

Select from gravity convection oven or forced air ovens. Gravity convection oven is ideal for processing powders and other products that may be disturbed by forced air. Forced air ovens offer faster heating time and better temperature uniformity. They include an advanced PID temperature control system for a sensitive response and are recommended for critical and analytical use in laboratory and pilot plant product research.

FEATURES & BENEFITS

- Microprocessor control with countdown timer
- Digital temperature display and timer
- 1.75" (45 mm) access port for thermocouple probe

INCLUDES

Adjustable shelves (wire shelves on gravity convection model, perforated shelves on forced air models), adjustable leveling feet, power cord and instruction manual. 2-year limited warranty.

SPECIFICATIONS

C&M PART #	MAX TEMP	CHAMBER (W X H X D)	EXTERIOR (W X H X D)	UNIFORMITY*	# SHELVES†
705659	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±3.5°C	2/7
705660	306°C	12.1" x 14.5" x 13.7"	22.7" x 31.5" x 23.5"	±2.3°C	2/6
705661	306°C	16.5" x 16.2" x 19.5"	26.9" x 34" x 26.8"	±1.8°C	2/7
705662	306°C	21" x 20.7" x 19.4"	31.5" x 38.8" x 28.1"	±1.8°C	2/9

*At 150°C

†Included/max number

C&M PART #	MFG PART #	DESCRIPTION	SIZE (CU FT)	POWER (VAC, HZ)
705659	SLG322	Gravity Convection Oven	3.0	115, 50/60
705660	SMO1	Forced Air Oven	1.5	115, 50/60
705661	SMO3	Forced Air Oven	3.0	115, 50/60
705662	SMO5	Forced Air Oven	5.0	115, 50/60

Magnetic Filter Holder for 47-mm Filters

This magnetic filter holder features a unique two-layer magnet creating a tight seal between the funnel and support base holding a membrane disc filter. The user-friendly design allows one-handed operation and prevents possible twisting and tearing of the filter membrane. Attach the included hose barb to the base for a direct connection to a vacuum source; connect to a standard filter flask using the included silicone rubber stopper. Constructed of durable Polyethersulfone (PES), the filter holder is sturdy, autoclavable and resistant to a limited range of solvents.



INCLUDES

Silicone stopper (size 8) and hose barb (4 to 8 mm)

C&M PART #	MFR PART #	DESCRIPTION	SIZE (mL)
706088	1220193	Magnetic Filter Funnel with Lid	300

SP Bel-Art Imhoff Settling Cone

Designed for measuring sand and other settled matter in water and sewage, these Imhoff cones are made of molded glass-clear, unbreakable styrene acrylonitrile. Cone is fully graduated from 0 to 1000 mL: 0 to 2 mL in 0.1 mL, 2 to 10 mL in 0.5 mL, 10 to 40 mL in 1 mL, 40 to 100 mL in 2 mL and 100 to 1000 mL in 50 mL. An opening at the bottom permits easy withdrawal of sediment for gravimetric analysis and simplifies cleaning.

Order Poxygrid® cone rack to support Imhoff settling cones in a single row for clearer viewing. Racks hold cone tips off the benchtop for easier viewing and plug removal. Epoxy coated wire frames offer durability and easy cleaning; wide base provides stability.



FEATURES & BENEFITS

- 1000 mL capacity is ideal for tests where a high volume of settled matter is present.
- Leakproof polyethylene plug ensures samples stay in the cone.



C&M PART #	MFG PART #	DESCRIPTION
705890	H38990-0000	Imhoff Settling Cone, 1000 mL, Styrene

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
705891	F38993-0003	Poxygrid Imhoff Cone Rack, Holds Three Cones, 17-1/2" x 6-3/4" x 16"
705892	F38993-0004	Poxygrid Imhoff Cone Rack, Holds Four Cones, 22-3/4" x 6-3/4" x 16"
700291	18967-0000	Polyethylene Imhoff Cone and Separatory Funnel Rack, 8-1/2" x 26" x 29"

Whatman™ Filter Funnel Manifolds

Use these stainless-steel manifolds for serial filtration applications—ideal for microbiology quality control and residue analysis. Manifolds are suitable only for vacuum operation. If flushing tubes are used, do not exceed 1.3 bar (300 mbar overpressure). Autoclave and sterilize by dry heat at up to 180°C.



C&M PART #	MFG PART #	DESCRIPTION
706197	10498761	3-Place Stainless Steel Manifold
706198	10498762	6-Place Stainless Steel Manifold

Raven Centrifuge Tubes

Raven Plastic Centrifuge Tubes have a conical-shaped bottom to allow very small amounts of solids compacted in the bottom to be measured. The tubes feature brightly marked, easy-to-read graduations from 0.2 to 100%. These durable polycarbonate tubes are impact resistant and manufactured by Raven to fit in the trunnion rings of the Raven F-10300 Process Centrifuge's rotor.



C&M PART #	MFG PART #	DESCRIPTION
700445	B-10101-19	Centrifuge Tubes, 11 mL, 19 mm diameter, Box of 12

Raven Settrometer Kit

The Raven Settrometer Kit is used in water and wastewater treatment to evaluate sludge quality settling characteristics. This test is commonly used to evaluate secondary clarifier and aerobic digesters to determine settling periods. Clear scratch-resistant acrylic settlometer provides excellent visibility and durability. Made of the same material, the paddle will not scratch the Settrometer during normal use.

FEATURES & BENEFITS

- Measures the rate and amount of solid/liquid separation of sludge samples
- Easy-to-read white markings indicate % solids and settled sludge volume (SSV)
- Soft snap-on lid prevents spillage during transport



INCLUDES

Settlometer, mixing paddle and lid.

C&M PART #	MFG PART #	DESCRIPTION
700456	C-10102	Raven Settrometer Kit

Raven Process Centrifuge

The Raven Process Centrifuge is specifically designed for process control sampling applications to determine solids concentration in percent volume. Tracking the percent of solids in a given sample provides operators with proactive information for process adjustments.



Quickly run six samples at once on the process centrifuge. The number of solids in the bottom of the tube represents the “% of solids” of the sample. Electronic timer and digital display with a 15-minute speed key streamlines the testing procedure.

FEATURES & BENEFITS

- Exceptionally smooth and quiet operation
- The LCD display indicates when the rotor is spinning
- An audible beep sounds when the cycle is complete
- Corrosion-resistant stainless steel and aluminum construction provide durability and easy cleaning.

INCLUDES

Centrifuge, rubber feet and six 19-mm diameter centrifuge tubes. One-year warranty.

C&M PART #	MFG PART #	DESCRIPTION
700443	F-10300	Raven Process Centrifuge

ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700445	B-10101-19	Raven Centrifuge Tubes, 19 mm Diameter, Box of 12*

*Note: the centrifuge tubes that are included cannot be used with flammables, solvents, or cooking oils.

Nalgene™ Settrometer Kit

Analyze the activated sludge process using the Thermo Scientific™ Nalgene Settrometer Kit. An all-plastic construction is a cost-effective and safer alternative to glass equivalents. The lightweight, transparent, impact-resistant 2 L jar has easy-to-read white graduations. The polypropylene paddle agitates sample without scratching jar. The included tubes fit tabletop centrifuges up to 6000 x g without cushions or adapters.



INCLUDES

Polycarbonate jar and cover, polypropylene paddle, ten 0.5 oz (15 mL) tubes with closures, data sheet and instruction manual.

C&M PART #	MFG PART #	DESCRIPTION
706200	1010-0507	Thermo Scientific Nalgene Settrometer Kit

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706201	711010-9507	Thermo Scientific Nalgene Settrometer Jar with Cover

Phipps & Bird Programmable Jar Testers

The Phipps & Bird state-of-the-art programmable jar testers elevate jar testing to a new level of precision by utilizing four operator-programmable memory banks that offer virtually unlimited stirring capabilities. Testers replicate actual plant conditions and operation to help determine the optimal dosing needed for the specific conditions. Program each bank with paddle speeds from 5 to 300 rpm and timer from 1 second to 59 minutes and 59 seconds. Testers retain all the programmed information saving you time and minimizing errors. All Phipps & Bird Jar Testers operate on 24 VDC and come with 120 and 220 VAC adapters to operate anywhere in the world.



INCLUDES

Jar tester, container, AC adapters and power cords. Two-year warranty on two- and four-position models; one-year warranty on six-position models.

SPECIFICATIONS

PADDLE SPEED	1 to 300 rpm (1-rpm Increments)
RUN TIMES	1 Second to 59 Minutes, 59 Seconds (1-Second Increments)
AUDIBLE ALARMS	1 to 98 Minutes (1-Minute Increments)
POWER	120 VAC, 60 Hz; 220 VAC, 50/60 Hz

C&M PART #	MFG PART #	POSITIONS	CONTAINERS	DIMENSIONS (W X H X D)
706202	7790-980	2	2-L B-Ker ² Square Acrylic Jars	13" x 12-1/2" x 9-1/4"
706203	7790-950	4	1-L Glass Beakers	25" x 15-1/2" x 9-1/4"
706204	7790-960	4	2-L B-Ker ² Square Acrylic Jars	25" x 15-1/2" x 9-1/4"
706205	7790-900	6	1-L Glass Beakers	42-1/4" x 15-1/2" x 9-1/4"
706206	7790-910	6	2-L B-Ker ² Square Acrylic Jars	42-1/4" x 15-1/2" x 9-1/4"

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
706207	7790-630	Replacement B-Ker ² Square Acrylic Jar, 2 L
706469	14000-1000	Kimble® KIMAX® Low Form Griffin Glass Beaker, 600 mL, Pk/6

Hach DR1900 Portable Spectrophotometer

This compact and lightweight portable spectrophotometer is designed for drinking water and wastewater analysis. Spectrophotometer performs tests with a wavelength from 340 to 800 nm and measures Transmittance (%), Absorbance and Concentration. Select from over 220 preprogrammed common water testing methods or create user-customized test methods to suit your application.

A simple user interface, a large backlit LCD screen and usage of a wide range of vial sizes make taking measurements quick and easy. Store up to 500 data sets with result, data, time, sample ID, user ID for GLP compliance. Transfer data via USB mini connection (module required).

FEATURES & BENEFITS

- Lightweight and compact—perfect for use in the field
- Contains over 220 preprogrammed most commonly tested methods
- Accepts a wide range of vial sizes



INCLUDES

Spectrophotometer, 4 AA batteries, 1-in. square matched glass sample cells, four sample cell adapters, sample light cover, dust cover and user manual.



SPECIFICATIONS

MEASUREMENT MODE	Transmittance (%), Absorbance (Abs) and Concentration (Conc)
BANDWIDTH (nm)	5
WAVELENGTH RANGE (nm)	340 to 800
WAVELENGTH ACCURACY (nm)	±2
PHOTOMETRIC RANGE (Abs)	±3.0
PHOTOMETRIC ACCURACY	3 mAbs at 0.0 to 0.5, 1% at 0.5 to 2.0
SAMPLE CHAMBER	Accommodates 10 x 10 mm, 1-in. Rectangular; 13-mm, 16-mm, 1-in. Round; 10-mm/10 mL; Flow-Thru Cell
LIGHT SOURCE	Xenon Flash Lamp
DISPLAY	Graphical LCD, Backlit
MEMORY	500 Data Sets
INTERFACE	USB Mini (Requires Module)
POWER	4 x AA Batteries or 110 to 240 VAC (Adapter Sold Separately)

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
703358	DR1900-01H	DR1900™ Portable Spectrophotometer

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701641	2495402	Sample Cells, Square, Glass, 1-in., 10 mL, Pack of 2 (Matched Pair)
701966	2838300	Sample Cells, Round, Glass, 1-in., 4 x 10 mL and 2 x 25 mL, Pack of 6
700197	TNT919	Sample Blank Vial for TNTplus® Vial Test, Pack of 5
700195	TNT890	Metals Prep Set TNTplus, Lead, Cadmium, Iron, Copper and Nickel, For 50 Digestions
701902	2763900	DR/Check Absorbance Standard Kit, Pack of 4
703763	LZV899	Pour-Thru Cell Kit, No Individual Sample Cells Required
703746	LZV804.99.00002	Power Module
703747	LZV813.99.00002	USB/Power Module
702555	9609800	Vial Adapter Set, Four Pieces

Hach DR3900 Benchtop Visible Spectrophotometer with RFID

Hach DR3900™ Benchtop Visible Spectrophotometer with RFID technology is optimized for safe processes and accurate water analysis results. Split beam spectrophotometer measures in the visible range of 320 to 1100 nm with over 240 preprogrammed methods to help speed the process. The state-of-the-art RFID technology allows hands-free calibration updates, as it automatically recognizes the lot, expiration and calibration associated with each Hach chemistry sample as well as traceability for each measurement.

Easily setup, navigate and view measurements on a 7-in. TFT color touchscreen. Easy-to-follow, step-by-step test procedures ensure accurate results. Store over 2000 measured data sets (result, date, time, sample ID and user ID). Excellent for meeting GLP guidelines. Observe trends such as time variation curves based on each parameter and location using the analysis function. Meter features one Ethernet and three USB interfaces for connecting to a printer, keyboard, flash drive, computer or local network.

Use TNTplus® reagents for fast preparation and easy execution. Simply add sample and the included reagent to the vial, invert to mix and insert into your spectrophotometer. The Direct Read Technology provides the results so there is no need for subjective visual determination. The bar-coded vials allow for automatic method detection and measurement by the spectrophotometer, considerably increasing the speed of analysis. Errors are reduced as instrument averages 10 readings and rejects outliers from scratched, flawed or dirty glassware.

FEATURES & BENEFITS

- Measure % transmittance, absorbance and concentration
- RFID technology eliminates sample mix-ups and provides better sample traceability
- Features over 220 preprogrammed procedures for water analysis
- Test for more than 70 parameters including EPA-compliant parameters such as ammonia, COD and chlorine
- Step-by-step on-screen test instructions ensure accurate results
- Ethernet and USB ports allow easy data transfer
- Bar-coded TNTplus reagents help increase accuracy while saving time

INCLUDES

Spectrophotometer, adapter for 1-in. round and 1-cm square cells, matched pair of 1-in square glass sample cells, light shield, dust cover, power supply with cords and user manual. One-year warranty.



SPECIFICATIONS

MEASUREMENT MODE	Transmittance (%), Absorbance (Abs) and Concentration (Conc)
BANDWIDTH (nm)	5
WAVELENGTH RANGE (nm)	320 to 1100
WAVELENGTH ACCURACY (nm)	±1.5 (from 340 to 900 nm)
PHOTOMETRIC RANGE (Abs)	±3.0 (from 340 to 900 nm)
PHOTOMETRIC ACCURACY	5 mAbs at 0.0 to 0.5 Abs; 1% at 0.5 to 2.0
SAMPLE CHAMBER	Accommodates 10-mm, 50-mm, 1-in. Rectangular; 13-mm, 16-mm, 1-in. Round; Flow-Thru Cell
LIGHT SOURCE	Gas-Filled Tungsten Lamp
DISPLAY	7-in. TFT WVGA Color Touchscreen
MEMORY	2000 Data Sets
INTERFACE	USB Type A (2), USB Type B, Ethernet, RFID
POWER (VAC, HZ)	110 to 240, 50/60

C&M PART #	MFG PART #	DESCRIPTION
703591	LPV440.99.00012	DR3900 Benchtop Visible Spectrophotometer with RFID

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701769	2624410	Sample Cell, Rectangular, Quartz, 1 cm, 3.5 mL
701871	2743400	Sample Cell, Rectangular, Polystyrene, 1 cm, 4.5 mL
701770	2624450	Sample Cell, Rectangular, Quartz, 5 cm, 17.5 mL
701771	2629250	Sample Cell, Rectangular, Glass, 5 cm, 17.5 mL
701244	2122800	Sample Cell, Round, Glass, 1", 10 mL
701641	2495402	Sample Cells, Square, Glass, 1", 10 mL, Pack of 2 (Matched Pair)
703738	LZV537	Test Filter Set, Use with Standard 10-mm Cell older
700197	TNT919	Sample Blank Vials for TNTplus Vial Test, Pack of 5
700195	TNT890	Metals Prep Set TNTplus, Lead, Cadmium, Iron, Copper and Nickel, For 50 Digestions
703609	LPZ440.99.00007	Tungsten Lamp
703759	LZV873	Ethernet Cable
703763	LZV899	Pour-Thru Cell Kit
703754	LZV845	Dust Cover for DR3900 RFID Spectrophotometer

Hach DR6000 UV/VIS Spectrophotometer with RFID

Hach DR6000™ UV/VIS Spectrophotometer with RFID performs high-speed wavelength scanning across the UV and visible spectrum to meet your most demanding water testing applications. Spectrophotometer comes with over 250 preprogrammed most common water and environmental testing methods and has the capability to store up to 200 custom methods to help speed the process. The state-of-the-art RFID technology allows hands-free calibration updates, as it automatically recognizes the lot, expiration and calibration associated with each Hach chemistry sample as well as traceability for each measurement.

Easily setup, navigate and view measurements on a 7-in. TFT color touchscreen. Easy-to-follow, step-by-step test procedures ensure accurate results. Store over 5000 measured data sets (result, date, time, sample ID and user ID) plus 50 wavelength scans and 50 time course scans. Excellent for meeting GLP guidelines. The integrated QA software provides scheduling, documentation and interpreting of all your needed quality measurements adding efficiency and accuracy to your process. Meter features one Ethernet and three USB interfaces for connecting to a printer, keyboard, flash drive, computer or local network.

Use TNTplus reagents for fast preparation and easy execution. Simply add sample and the included reagent to the vial, invert to mix and insert into your spectrophotometer. The Direct Read Technology provides the results so there is no need for subjective visual determination. The bar-coded vials allow for automatic method detection and measurement by the spectrophotometer, considerably increasing the speed of analysis. Errors are reduced as instrument averages 10 readings and rejects outliers from scratched, flawed or dirty glassware.

Various accessories are available for high-volume and high-accuracy testing. Take up to seven sequential measurements using the carousel sample changer. The sipper modules provide constant, air bubble-free and fast sample delivery to increase precision and accuracy.

FEATURES & BENEFITS

- High-speed wavelength scanning across the UV and visible spectrum
- Measure % transmittance, absorbance and concentration
- RFID technology eliminates sample mix-ups and provides better sample traceability
- Features over 250 preprogrammed procedures for water analysis
- Test for more than 70 parameters including EPA-compliant parameters such as ammonia, COD and chlorine
- Step-by-step on-screen test instructions ensure accurate results
- Ethernet and USB ports allow easy data transfer
- Bar-coded TNTplus reagents help increase accuracy while saving time

INCLUDES

Spectrophotometer, universal cell adapter, one matched pair of 1-in. glass cells, dust cover, power supply with cord and user manual. One-year warranty.



SPECIFICATIONS

MEASUREMENT MODE	Transmittance (%), Absorbance (Abs) and Concentration (Conc)
BANDWIDTH (nm)	2
WAVELENGTH RANGE (nm)	190 to 1100
WAVELENGTH ACCURACY (nm)	±1 (from 200 to 900 nm)
PHOTOMETRIC RANGE (Abs)	±3.0 (from 200 to 900 nm)
PHOTOMETRIC ACCURACY	5 mAbs at 0.0 to 0.5 Abs; <1% at 0.5 to 2.0 @546 nm
SAMPLE CHAMBER	10-mm, 20-mm, 30-mm, 50-mm, 1-in. Rectangular; 13-mm, 16-mm, 1-in. Round, , Flow-Thru Cells
LIGHT SOURCE	Tungsten Lamp (Visible Range); Deuterium Lamp (UV)
DISPLAY	7" TFT Colored Touchscreen
MEMORY	5000 Data Sets
INTERFACE	USB Type A (2), USB Type B, Ethernet, RFID
POWER (VAC, HZ)	110 to 240, 50/60

C&M PART #	MFG PART #	DESCRIPTION
703593	LPV441.99.00012	DR6000 UV/VIS Spectrophotometer with RFID

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703613	LQV157.99.20002	Sipper Module for Pour-Thru Method, Round, Quartz, 1-in.
703614	LQV157.99.30002	Sipper Module for Pour-Thru Method, Rectangular, Quartz, 1-cm
703764	LZV902.99.00002	Carousel Sample Holder, Holds Seven 1-cm Cells
703765	LZV902.99.00012	Carousel Sample Holder, Holds Five 1-in. Cells
701769	2624410	Sample Cell, Rectangular, Quartz, 1 cm, 3.5 mL
701871	2743400	Sample Cell, Rectangular, Polystyrene, 1 cm, 4.5 mL
701770	2624450	Sample Cell, Rectangular, Quartz, 5 cm, 17.5 mL
701771	2629250	Sample Cell, Rectangular, Glass, 5 cm, 17.5 mL
701244	2122800	Sample Cell, Round, Glass, 1", 10 mL
701641	2495402	Sample Cells, Square, Glass, 1", 10 mL, Pack of 2 (Matched Pair)
703738	LZV537	Test Filter Set, Use with Standard 10-mm Cell older
700197	TNT919	Sample Blank Vials for TNTplus Vial Test, Pack of 5
700195	TNT890	Metals Prep Set TNTplus, Lead, Cadmium, Iron, Copper and Nickel, For 50 Digestions
703088	A23778	Replacement Tungsten Lamp, VIS
703089	A23792	Replacement Deuterium Lamp, UV
703766	LZV915	Replacement Filter Pad
703087	A23772	Replacement Fuse

Hach TNTplus Reagents

Hach TNTplus® Reagents are engineered to simplify water analysis and provide accurate results every time.



700159



700180



700143



700163



C&M PART #	MFG PART #	RANGE (mg/L)	PARAMETER	# TESTS
700183	TNT870	25 to 400	Alkalinity, Total	25
700167	TNT848	0.02 to 0.5	Aluminum	24
700152*†	TNT830	0.015 to 2.00	Ammonia	25
700151	TNT829	0.50 to 5.00	Ammonia	25
700153*	TNT831	1 to 12	Ammonia	25
700154*†	TNT832	2 to 47	Ammonia	25
700159	TNT837	10 to 100	Ammonia	25
700155	TNT833	47 to 130	Ammonia	25
700156	TNT834	100 to 1800	Ammonia	25
700193	TNT882KTO	0 to 1000 mAbs	Anammox, Activity	25
700189	TNT877	0.05 to 2.5	Boron	25
700191	TNT879	1 to 70; 70 to 1000	Chloride	24
700180*	TNT867	0.05 to 2.00	Chlorine, Free & Total	24
700179*	TNT866	0.05 to 2.00	Chlorine, Free	24
700171**	TNT854	0.03 to 1.00	Chromium	25
700137†	TNT820	1 to 60	COD	25
700138†	TNT82006	1 to 60	COD	150
700139*†	TNT821	3 to 150	COD	25
700140*†	TNT82106	3 to 150	COD	150
700141*†	TNT822	20 to 1500	COD	25
700142*†	TNT82206	20 to 1500	COD	150
700146	TNT825	25 to 1000	COD (Mercury-Free)	25
700143	TNT823	250 to 15,000	COD	25
700144	TNT82306	250 to 15,000	COD	150
700145	TNT824	5000 to 60,000	COD	25
700174	TNT860	0.1 to 8.0	Copper	25
700190*	TNT878	0.1 to 2.5	Fluoride	25
700184	TNT871	0.5 to 10	Formaldehyde	25
700182	TNT869	20 to 350 as CaCO ₃ ; 5 to 100 Ca; 3 to 50 Mg	Hardness	25
700173*	TNT858	0.2 to 6.0	Iron	25

C&M PART #	MFG PART #	RANGE (mg/L)	PARAMETER	# TESTS
700169	TNT850	0.1 to 2.0	Lead	25
700168	TNT849	0.5 to 50	Magnesium	25
700172	TNT856	0.1 to 6.0	Nickel	25
700157*†	TNT835	0.23 to 13.50	Nitrate	25
700158*†	TNT836	5 to 35	Nitrate	25
700160*	TNT839	0.015 to 0.600	Nitrite	25
700161*	TNT840	0.6 to 6.0	Nitrite	25
700162	TNT841	2 to 90	Nitrite	25
700192	TNT880	0 to 16	Nitrogen, Simplified TKN	25
700148	TNT826	1 to 16	Nitrogen, Total	25
700149	TNT827	5 to 40	Nitrogen, Total	25
700150	TNT828	20 to 100	Nitrogen, Total	25
700181*	TNT868	5 to 150	Phenols	25
700163*†	TNT843	0.05 to 1.50 PO ₄ -P; 0.15 to 4.5 PO ₄	Phosphorus, Reactive/Total	25
700164*	TNT844	0.5 to 5.0 PO ₄ -P; 1.5 to 15.0 PO ₄	Phosphorus, Reactive/Total	25
700166	TNT846	1.6 to 30.0 PO ₄ -P; 5 to 90 PO ₄	Phosphorus, Reactive	25
700165*†	TNT845	2 to 20 PO ₄ -P; 6 to 60 PO ₄	Phosphorus, Reactive/Total	25
700177	TNT864	40 to 150	Sulfate	25
700178	TNT865	150 to 900	Sulfate	25
700175*	TNT861	0.1 to 2.0	Sulfide	25
700186	TNT874	0.1 to 4.0	Surfactant, Anionic	25
700194	TNT885	0.2 to 2.0	Surfactant, Cationic	25
700187	TNT875	0.2 to 6.0 as Triton X-100	Surfactant, Nonionic	25
700188	TNT876	6 to 200 as Triton X-100	Surfactant, Nonionic	25
700132*	TNT810	1.5 to 30	TOC	25
700133*	TNT811	30 to 300	TOC	25
700185	TNT872	50 to 2500	Volatile Acids	25

*EPA approved method with sample pretreatment such as filtration, distillation or digestion.

**EPA approved method for Cr⁶⁺ only.

†Truocal calibration data included.



Hach Method Compatibility Guide for Colorimetry & Spectrophotometry

Hach reagents are formulated for dependable results and tested carefully with Hach instrumentation for optimum performance. Use this Method Compatibility Guide to determine what reagent set is right for you based on the parameter and instrument requirements.



C&M PART #	MFG PART #	METHOD	RANGE (mg/L)	PARAMETER	# TESTS	DR300	DR900	DR1900	DR3900	DR6000
700183	TNT870	Colorimetric	25 to 400	Alkalinity, Total, TNTplus	25			X	X	X
701321	2242000	Aluminon	0.008 to 0.80	Aluminum	100	X	X	X	X	X
701733	2603700	Eriochrome Cyanine R	0.002 to 0.25	Aluminum	100			X	X	X
700167	TNT848	Chromazurol S	0.02 to 0.5	Aluminum, TNTplus	24			X	X	X
700152	TNT830	Salicylate	0.015 to 2.00	Ammonia, ULR, TNTplus	25			X	X	X
700151	TNT829	Salicylate	0.50 to 5.00	Ammonia, ULR+, TNTplus	25			X	X	X
700153	TNT831	Salicylate	1 to 12	Ammonia, LR, TNTplus	25			X	X	X
700154	TNT832	Salicylate	2 to 47	Ammonia, HR, TNTplus	25			X	X	X
700159	TNT837	Salicylate	10 to 100	Ammonia, HR+, TNTplus	25			X	X	X
700155	TNT833	Salicylate	47 to 130	Ammonia, UHR, TNTplus	25			X	X	X
700156	TNT834	Salicylate	100 to 1800	Ammonia, UHR, TNTplus	25			X	X	X
701824	2668000	Salicylate	0.01 to 0.50	Ammonia Nitrogen	100	X	X	X	X	X
701612	2458200	Nessler	0.02 to 2.50	Ammonia Nitrogen	250			X	X	X
701740	2604545	Salicylate	0.02 to 2.50	Ammonia Nitrogen, LR, TNT	25 to 50		X	X	X	X
701745	2606945	Salicylate	0.4 to 50	Ammonia Nitrogen, HR, TNT	25 to 50		X	X	X	X
701973	2879200	Indophenol	0.02 to 0.50	Ammonia, Free, Nitrogen	50	X	X	X	X	X
700193	TNT882KTO	Heme	0 to 1000 mAbs	Anammox, Activity, TNTplus	25			X	X	X
-	-	Silver Diethyldithiocabamate	0.020 to 0.200	Arsenic	-			X	X	X
700915	1206499	Turbidimetric	2 to 100	Barium	100			X	X	X
701252	2141299	UV Photolysis	1.0 to 16.0; 1 to 20	Benzotriazole; tolyltriazole	100		X	X	X	X
700189	TNT877	Carmine	0.05 to 2.5	Boron, TNTplus	25			X	X	X
7000140122N8	2105669	DPD	0.05 to 4.50	Bromine	100	X	X	X	X	X
701650	2503025	DPD	0.05 to 4.50	Bromine, AV	25	X	X	X	X	X
700170	TNT852	Cadion	0.02 to 0.30	Cadmium, TNTplus	25			X	X	X
701596	2446600	Iron Reduction	5 to 600 µg/L	Carbohydrazide	100		X	X	X	X
701973	2879200	Indophenol	0.04 to 4.5	Chloramine, Mono	50	X	X	X	X	X
701928	2802246	Indophenol	0.04 to 4.5	Chloramine, Mono, LR	50	X	X	X	X	X
701930	2805145	Indophenol	0.1 to 10.0	Chloramine, Mono, HR, TNT	50			X	X	X
701431	2319800	Mercuric Thiocyanate	0.1 to 25.0	Chloride	100			X	X	X
700191	TNT879	Iron (III)-Thiocyanate	1 to 70; 70 to 1000	Chloride, TNTplus	24			X	X	X
-	-	Indophenol	0.04 to 4.5	Chlorine, Free	-	X	X	X	X	X
7000140121N8	2105569	DPD	0.02 to 2.00	Chlorine, Free	100	X	X	X	X	X
701649	2502025	DPD	0.02 to 2.00	Chlorine, Free, AV	25	X	X	X	X	X
700128	2556900	DPD Rapid Liquid	0.02 to 2.00	Chlorine, Free, Pour-Thru Cell	-			X	X	X
700179	TNT866	DPD	0.05 to 2.00	Chlorine, Free, TNTplus	24			X	X	X
7000140121X2	1407099	DPD	0.05 to 4.00; 0.1 to 10.0	Chlorine, Free, MR/HR	100	X	X	X	X	X
7000140122N8	2105669	DPD	0.02 to 2.00	Chlorine, Total	100	X	X	X	X	X
701650	2503025	DPD	0.02 to 2.00	Chlorine, Total, AV	25	X	X	X	X	X
7000140122X2	1406499	DPD	0.05 to 4.00; 0.1 to 10.0	Chlorine, Total, MR/HR	100	X	X	X	X	X
701692	2563000	DPD	2 to 500 µg/L	Chlorine, Total, Pour-Thru Cell	20			X	X	X

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Hach Method Compatibility Guide for Colorimetry & Spectrophotometry

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C&M PART #	MFG PART #	METHOD	RANGE (mg/L)	PARAMETER	# TESTS	DR300	DR900	DR1900	DR3900	DR6000
700180	TNT867	DPD	0.05 to 2.00	Chlorine, Free & Total, TNTplus	24			X	X	X
-	-	DPD	Multiple Ranges	Chlorine Demand/Requirement	-	X	X	X	X	X
701911	2770900	DPD/Glycine	0.04 to 5.00	Chlorine Dioxide, MR	100	X	X	X	X	X
701322	2242300	Chlorophenol Red	0.01 to 1.00	Chlorine Dioxide, LR	100			X	X	X
-	-	Direct Reading	1 to 50	Chlorine Dioxide, MR	-		X	X	X	X
-	-	Direct Reading	5 to 1000	Chlorine Dioxide, HR	-			X	X	X
700929	1271099	1,5 Diphenylcarbohydrazide	0.010 to 0.70	Chromium, Hexavalent	100	X	X	X	X	X
700171	TNT854	1,5 Diphenylcarbohydrazide	0.03 to 1.00	Chromium, Hexavalent, TNTplus	25			X	X	X
701323	2242500	Alkaline Hypobromite Oxidation	0.01 to 0.70	Chromium, Total	100		X	X	X	X
701776	2651600	PAN	0.01 to 2.00	Cobalt	100			X	X	X
701545	2415825	Dichromate	0.7 to 40.0	COD, ULR	25			X	X	X
701247	2125825	Dichromate	3 to 150	COD, LR	25		X	X	X	X
701249	2125925	Dichromate	20 to 1500	COD, HR	25		X	X	X	X
701547	2415925	Dichromate	200 to 15,000	COD, HR+	25		X	X	X	X
701768	2623425	Manganese III	30 to 1000	COD	25		X	X	X	X
701695	2565025	Reactor Digestion	3 to 150	COD, LR Mercury Free	25		X	X	X	X
701697	2565125	Reactor Digestion	20 to 1500	COD, HR Mercury Free	25		X	X	X	X
701962	2834325	Reactor Digestion	200 to 15,000	COD, UHR Mercury Free	25		X	X	X	X
700137	TNT820	Reactor Digestion	1 to 60	COD, ULR, TNTplus	25			X	X	X
700138	TNT82006	Reactor Digestion	1 to 60	COD, ULR, TNTplus	150			X	X	X
700139	TNT821	Reactor Digestion	3 to 150	COD, LR, TNTplus	25			X	X	X
700141	TNT822	Reactor Digestion	20 to 1500	COD, HR, TNTplus	25			X	X	X
700143	TNT823	Reactor Digestion	250 to 15,000	COD, UHR, TNTplus	25			X	X	X
700145	TNT824	Reactor Digestion	5000 to 60,000	COD, UHR, TNTplus	25			X	X	X
700146	TNT825	Reactor Digestion	25 to 1000	COD, Mercury-Free, HR, TNTplus	25			X	X	X
-	-	ADMI Weighted Ordinate	3 to 250 Units	Color	-					X
-	-	Platinum Cobalt	15 to 500 Units	Color, True & Apparent	-		X	X	X	X
-	-	Platinum Cobalt	3 to 200 Units	Color, True & Apparent, LR	-					X
701205	2105869	Bicinchoninate	0.04 to 5.00	Copper	100	X	X	X	X	X
701729	2603300	Porphyrim	2 to 210 µg/L	Copper, LR	100		X	X	X	X
701651	2504025	Bicinchoninate	0.04 to 5.00	Copper, AV	25	X	X	X	X	X
700174	TNT860	Bicinchoninate	0.1 to 8.0	Copper, TNTplus	25			X	X	X
701560	2430200	Pyridine-Pyrazalone	0.002 to 0.240	Cyanide	100		X	X	X	X
700882	246066	Turbidimetric	5 to 50	Cyanuric Acid	50		X	X	X	
701596	2446600	Iron Reduction	3 to 450 µg/L	DEHA (Diethylhydroxylamin)	100		X	X	X	X
701648	2501025	Indigo Carmine	6 to 800 µg/L	Dissolved Oxygen, LR, AV	25		X	X	X	X
701665	2515025	HRDO	0.3 to 15.0	Dissolved Oxygen, HR, AV	25	X	X	X	X	X
701665	2515025	Ultra High Range	1.0 to 40.0	Dissolved Oxygen, UHR, AV	25			X	X	X
701596	2446600	Iron Reduction	13 to 1500 µg/L	Erythrobin Acid (Isoascorbic Acid)	100		X	X	X	X
700655	44449	SPADNS	0.02 to 2.00	Fluoride	125	X	X	X	X	X
701653	2506025	SPADNS	0.02 to 2.00	Fluoride, AV	25	X	X	X	X	X
701996	2947549	SPADNS II	0.02 to 2.00	Fluoride	125	X	X	X	X	X
701672	2527025	SPADNS II	0.02 to 2.00	Fluoride, Arsenic Free, AV	25	X	X	X	X	X
700190	TNT878	SPADNS II	0.1 to 2.5	Fluoride, TNTplus	25			X	X	X
700184	TNT871	Colorimetric	0.5 to 10	Formaldehyde, TNTplus	25			X	X	X

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(continued)



C&M PART #	MFG PART #	METHOD	RANGE (mg/L)	PARAMETER	# TESTS	DR300	DR900	DR1900	DR3900	DR6000
701727	2603100	Chlorophosphonazo Colorimetric	8 to 1000 µg/L	Hardness, Total, ULR	100			X	X	X
-	-	Chlorophosphonazo Colorimetric Rapid Liquid	4 to 1000 µg/L	Hardness, Total, ULR (pour-Thru Cell)	-			X	X	X
701432	2319900	Calmagite Colorimetric	0.05 to 4.00	Hardness, Ca and Mg	100		X	X	X	X
700182	TNT869	Metalphthalein	20 to 350 as CaCO ₃ ; 5 to 100 Ca; 3 to 50 mg/L	Hardness, TNTplus	25			X	X	X
700777	179032	p-Dimethylaminobenzaldehyde	4 to 600.0 µg/L	Hydrazine	100		X	X	X	X
701596	2446600	Iron Reduction	9 to 1000 µg/L	Hydroquinone	100		X	X	X	X
7000140122N8	2105669	DPD	0.07 to 7.00	Iodine	100			X	X	X
701650	2503025	DPD	0.07 to 7.00	Iodine, AV	25			X	X	X
700716	103769	1, 10 Phenanthroline	0.02 to 3.00	Iron, Ferrous	100		X	X	X	X
700173	TNT858	Phenanthroline	0.2 to 6.0	Iron, TNTplus	25			X	X	X
700867	230166	FerroZine	0.009 to 1.400	Iron	50		X	X	X	X
700866	230149	FerroZine Rapid Liquid	0.009 to 1.400	Iron (Pour-Thru Cell)	500			X	X	X
701750	2608799	TPTZ	0.012 to 1.80	Iron, Total	100	X	X	X	X	X
701203	2105769	FerroVer	0.02 to 3.00	Iron, Total	100	X	X	X	X	X
701654	2507025	FerroVer	0.02 to 3.00	Iron, Total, AV	25	X	X	X	X	X
701327	2243100	Dithizone	3 to 300 µg/L	Lead	60 to 100			X	X	X
700169	TNT850	PAR	0.1 to 2.0	Lead, TNTplus	25			X	X	X
701777	2651700	PAN	0.006 to 0.70	Manganese, LR	50	X	X	X	X	X
701559	2430000	Periodate Oxidation	0.1 to 20.0	Manganese, HR	100	X	X	X	X	X
700168	TNT849	Metalphthalein	0.5 to 50	Magnesium, TNTplus	25			X	X	X
701784	2658300	Cold Vapor Mercury Concentration	0.1 to 2.5 µg/L	Mercury	25			X	X	X
701596	2446600	Iron Reduction	15 to 1000 µg/L	Methylethylketoxime (MEKO)	50		X	X	X	X
701611	2449400	Ternary Complex	0.02 to 3.00	Molybdenum, Molybdate, LR	100	X	X	X	X	X
701736	2604100	Mercaptoacetic Acid	0.3 to 40.0	Molybdenum, Molybdate, HR	100		X	X	X	X
701776	2651600	PAN	0.006 to 1.000	Nickel	100	X	X	X	X	X
701324	2242600	PAN	0.006 to 1.000	Nickel	100		X			
701332	2243500	Heptoxime	0.02 to 1.80	Nickel	50			X	X	X
700172	TNT856	Dimethylglyoxime	0.1 to 6.0	Nickel, TNTplus	25			X	X	X
701557	2429800	Cd Reduction	0.01 to 0.50	Nitrate, Nitrogen, LR	100		X	X	X	X
700157	TNT835	Dimethylphenol	0.23 to 13.5	Nitrate, Nitrogen, LR, TNTplus	25			X	X	X
701209	2106169	Cd Reduction	0.1 to 10.0	Nitrate, MR	100		X	X	X	X
701657	2511025	Cd Reduction	0.1 to 10.0	Nitrate, MR, AV	25	X	X	X	X	X
701209	2106169	Cd Reduction	0.3 to 30.0	Nitrate, HR	100		X	X	X	X
701657	2511025	Cd Reduction	0.3 to 30.0	Nitrate, HR, AV	25	X	X	X	X	X
700158	TNT836	Dimethylphenol	5 to 35	Nitrate, HR, TNTplus	25			X	X	X
-	-	UV Screening	0.1 to 10.0	Nitrate, Nitrogen	-					X
701742	2605345	Chromotropic Acid	0.2 to 30.0	Nitrate, HR, TNT	50		X	X	X	X
700160	TNT839	Diazotization	0.015 to 0.600	Nitrite, LR, TNTplus	25			X	X	X
701219	2107169	Diazotization	0.002 to 0.300	Nitrite, LR	100		X	X	X	X
701746	2608345	Diazotization	0.003 to 0.50	Nitrite, TNT	50		X	X	X	X
700161	TNT840	Diazotization	0.6 to 6.0	Nitrite, HR, TNTplus	25			X	X	X
700162	TNT841	Diazotization	2 to 90	Nitrite, UHR, TNTplus	25			X	X	X

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(continued)

C&M PART #	MFG PART #	METHOD	RANGE (mg/L)	PARAMETER	# TESTS	DR300	DR900	DR1900	DR3900	DR6000
701225	2107569	Ferrous Sulfate	2 to 250	Nitrite, HR, Nitrogen	100		X	X	X	X
700148	TNT826	Persulfate Digestion	1 to 16	Nitrogen, Total, LR, TNTplus	25			X	X	X
701831	2672245	Persulfate Digestion	0.5 to 25	Nitrogen, Total, LR, TNT	25 to 50		X	X	X	X
700149	TNT827	Persulfate Digestion	5 to 40	Nitrogen, Total, LR, TNTplus	25			X	X	X
701859	2714100	Persulfate Digestion	10 to 150	Nitrogen, Total, HR, TNT	25 to 50		X	X	X	X
700150	TNT828	Persulfate Digestion	20 to 100	Nitrogen, Total, UHR, TNTplus	25			X	X	X
701741	2604945	TiCl3 Reduction	0.2 to 25.0	Nitrogen, Total Inorganic, TNT	25 to 50		X	X	X	X
700192	TNT880	s-TKN	0 to 16	Nitrogen, Simplified TKN, TNTplus	25			X	X	X
701640	2495300	Nessler	1 to 150	Nitrogen, Total Kjeldahl (TKN)	250		X	X	X	X
-	-	Direct Reading	Varies	Organic Constituents, UV-Absorbing	-					X
701667	2516025	Indigo	0.01 to 0.25	Ozone, AV, LR	25	X	X	X	X	X
701668	2517025	Indigo	0.01 to 0.75	Ozone, AV, MR	25	X	X	X	X	X
701670	2518025	Indigo	0.01 to 1.50	Ozone, AV, HR	25		X	X	X	X
701783	2657512	Colorimetric	6.5 to 8.5 pH	pH	50 to 100	X	X			
701334	2243900	4-Aminoantipyrine	0.000 to 0.200	Phenols	100			X	X	X
700181	TNT868	4-Aminoantipyrine	5 to 150	Phenols, TNTplus	24			X	X	X
701556	2429700	Persulfate UV Oxidation	0.02 to 125.0	Phosphonates	100	X	X	X	X	X
701207	2106069	PhosVer3	0.02 to 2.50	Phosphorus, Reactive	100	X	X	X	X	X
701656	2508025	PhosVer3	0.02 to 2.50	Phosphorus, Reactive, AV	25	X	X	X	X	X
701867	2742545	PhosVer3	0.06 to 5.00	Phosphorus, Reactive, TNT	50		X	X	X	X
701337	2244100	Amino Acid	0.23 to 30.00	Phosphorus, Reactive	100		X	X	X	X
701146	2076032	Molybdovanadate	0.3 to 45	Phosphorus, Reactive	50		X	X	X	X
701904	2767345	Molybdovanadate	1.0 to 100.0	Phosphorus, Reactive, TNT, HR	50		X	X	X	X
701147	2076049	Molybdovanadate Rapid Liquid	0.3 to 45.00	Phosphorus, Reactive (Pour-Thru Cell)	500			X	X	X
701836	2678600	Ascorbic Acid Rapid Liquid	19 to 3000 µg/L	Phosphorus, Reactive (Pour-Thru Cell)	250			X	X	X
700166	TNT846	Molybdovanadate	1.6 to 30.0; 5 to 90	Phosphorus, Reactive (Ortho), TNTplus	25			X	X	X
701868	2742645	PhosVer 3 with Acid Hydrolysis	0.06 to 3.50	Phosphorus, TNT, LR	50		X	X	X	X
701903	2767245	Molybdovanadate with Acid Persulfate Digestion	1.0 to 100.0	Phosphorus, Total, TNT, HR	25 to 50		X	X	X	X
700163	TNT843	Ascorbic Acid	0.05 to 1.50; 0.15 to 4.5	Phosphate, Reactive/Total, LR TNTplus	25			X	X	X
700164	TNT844	Ascorbic Acid	0.5 to 5.0; 1.5 to 15.0	Phosphate, Reactive/Total, HR TNTplus	25			X	X	X
700165	TNT845	Ascorbic Acid	2 to 20; 6 to 60	Phosphate, Reactive/Total, UHR TNTplus	25			X	X	X
701614	2459100	Tetraphenylborate	0.1 to 7.0	Potassium	100			X	X	X
701615	2459200	Direct Binary Complex	0.2 to 5.0	Quaternary Ammonium Compounds	100			X	X	X
701685	2553500	Heteropoly Blue	3 to 1000 µg/L	Silica (Pour-Thru Cell), ULR	100			X	X	X
701835	2678500	Heteropoly Blue Rapid Liquid	3 to 1000 µg/L	Silica (Pour-Thru Cell), ULR	250			X	X	X
701616	2459300	Heteropoly Blue	0.010 to 1.60	Silica, LR	100		X	X	X	X
701555	2429600	Silicomolybdate	1 to 100	Silica, HR	100	X	X	X	X	X
701399	2296600	Colorimetric	0.02 to 0.70	Silver	50			X	X	X
701215	2106769	SulfaVer 4	2 to 70	Sulfate	100	X	X	X	X	X

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C&M PART #	MFG PART #	METHOD	RANGE (mg/L)	PARAMETER	# TESTS	DR300	DR900	DR1900	DR3900	DR6000
700177	TNT864	Turbidimetric	40 to 150	Sulfate, LR, TNTplus	25			X	X	X
700178	TNT865	Turbidimetric	150 to 900	Sulfate, HR, TNTplus	25			X	X	X
701339	2244500	Methylene Blue	5 to 800 µg/L	Sulfide	100		X	X	X	X
700175	TNT861	Methylene Blue	0.1 to 2.0	Sulfide, TNTplus	25			X	X	X
700186	TNT874	Methylene Blue	0.1 to 4.0	Surfactant, Anionic, TNTplus	25			X	X	X
700194	TNT885	Cetyltrimethylammonium Bromide	0.2 to 2.0	Surfactant, Cationic, TNTplus	25			X	X	X
700187	TNT875	TBPE	0.2 to 6.0 as Triton X-100	Surfactant, Nonionic, LR, TNTplus	25			X	X	X
700188	TNT876	TBPE	6 to 200 as Triton X-100	Surfactant, Nonionic, HR, TNTplus	25			X	X	X
-	-	Photometric	5 to 750	Suspended Solids	-		X	X	X	X
701341	2244600	Tyrosine	0.1 to 9.0	Tannin & Lignin	100		X	X	X	X
701899	2760345	Direct Method	0.3 to 20.0	Total Organic Carbon (TOC), LR	25 to 50		X	X	X	X
701946	2815945	Direct Method	15 to 150	Total Organic Carbon (TOC), MR	25 to 50		X	X	X	X
701900	2760445	Direct Method	100 to 700	Total Organic Carbon (TOC), HR	25 to 50		X	X	X	X
701252	2141299	UV Photolysis	1.0 to 20.0	Tolytriazole	100		X	X	X	X
701722	2597200	ToxTrak	0 to 100% Inhibition	Toxicity	25 to 50		X	X	X	X
701915	2774300	Immunoassay	2 to 20	TPH in Soil/Water	Up to 18	X		X	X	X
701917	2790800	THM Plus	10 to 600 µg/L	Trihalomethanes (THM, THMFP)	50 to 100			X	X	X
701342	2244700	Esterification	27 to 2800	Volatile Acids	100		X	X	X	X
700185	TNT872	Esterification	50 to 2500	Volatile Acids, TNTplus	25			X	X	X
701554	2429300	Zincon	0.01 to 3.0	Zinc	100	X	X	X	X	X

Hach Color Disc Hydrogen Sulfide Test Kit



INCLUDES

Reagents, color disc, pretreatment kit, color comparator box, plastic droppers, viewing tubes with caps, mixing bottles, carrying case and instruction manual.

SPECIFICATIONS

PARAMETER	RANGE (mg/L)	INCREMENTS (mg/L)	SAMPLE SIZE (mL)	# TESTS
Low-Range	0 to 0.55	0.01	25	60
Mid-Range	0 to 2.25	0.5	25	60
High-Range	0 to 11.25	2.5	25	30

Hydrogen sulfide is present in many water supplies resulting from the anaerobic decomposition of organic matter. Sewage and industrial wastes are other sources of sulfide pollution. Highly toxic, this compound has a characteristic rotten egg odor, which can be detected long before harmful concentrations are reached. Sulfide reacts with colorimetric reagents to form a blue color, which is measured with a color disc.

FEATURES & BENEFITS

- Accurate measurement reading with continuous color disc
- Pretreatment kit for colored or turbid samples included
- Single kit performs low, mid and high range tests

C&M PART #	MFG PART #	DESCRIPTION
700855	223801	Hydrogen Sulfide Color Disc Test Kit, Model HS-WR

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700782	181632	Sulfide 1 Reagent, 100 mL MDB
700784	181732	Sulfide 2 Reagent, 100 mL MDB
700831	211220	Phenol Solution, 30 g/L, 29 mL
700845	221120	Bromine Water, 30 g/L, 29 mL



Helpful Tip: Temperature Testing

Water Temperature:

Water temperature is a critical parameter in the water treatment process, as it directly affects many other parameters. For example, the effectiveness of chlorine as a disinfectant increases as the temperature of the water increases. Temperature also affects the dissolved oxygen level of the water, with higher temperatures giving lower dissolved oxygen levels, meaning that different aeration rates are needed depending on the temperature.

Partial vs. Total Immersion Thermometers:

Partial immersion thermometers have an immersion line on the thermometer indicating how far into the sample it needs to be submerged. These are most useful in situations where a total immersion thermometer can't be used, such as in a shallow bath.

The rest of the thermometer remains outside of the sample and is subject to the influence of ambient air temperature, which can increase the uncertainty of the measurement.

Total immersion thermometers are submerged to the point of measurement. If the sample is 45°C, then the thermometer must be submerged up to the 45°C mark on the thermometer. Total immersion thermometers have less uncertainty involved with the measurements than partial submersion thermometers and are therefore ideal for use when calibrating other thermometers.

At Core and Main we strive to be environmentally friendly and as well as ensure the safety of our users. All glass thermometers we carry are mercury-free. Mercury is a hazardous material, it is extremely toxic, and requires special methods to clean in the case of a broken thermometer.

Bel-Art Frio-Temp® Thermometers

These mercury-free, nontoxic, nonhazardous Enviro-Safe® thermometers are traceable to NIST. Use them to safely verify sample temperatures in refrigerators, incubators and ovens.



FEATURES & BENEFITS

- PFA coating on thermometers safely contain glass and liquid in case of breakage.
- Feature permanently fused markings, lead-free glass and individually serialized.
- Thermometers contain organic liquid, or EnviroKleen™ certified Enviro-Safe® liquid (Both listings have Enviro-Safe in the title, wouldn't they both have Enviro-Safe liquid? If not, the heading of the table needs to be changed).

INCLUDES

Thermometer in a plastic bottle, statement of accuracy and traceability, Velcro® and magnetic attachments.

CERTIFICATIONS

- Greener Choice, No Mercury

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY (°C)	DIVISIONS (°C)	LENGTH	DESCRIPTION
PRECISION ENVIRO-SAFE THERMOMETERS						
707380	61001-0100	-25 to -5	±0.2	0.1	210 mm (8.25")	Freezer
700419	61001-0200	-2 to 10	±0.2	0.1	180 mm (7")	Refrigerator
700420	61001-0300	15 to 30	±0.2	0.1	180 mm (7")	Incubator
700421	61001-0400	25 to 45	±0.2	0.1	190 mm (7.5")	Incubator
700422	61001-0500	95 to 115	±0.2	0.1	200 mm (8")	Oven
ENVIRO-SAFE THERMOMETERS						
707381	61004-0300	-30 to 1	±0.5	0.5	135 mm (5.3")	Freezer
700423	61004-0100	-5 to 15	±0.5	0.5	125 mm (4.9")	Refrigerator
700424	61004-0500	15 to 50	±0.5	0.5	135 mm (5.3")	Incubator

Bel-Art Enviro-Safe® Certified NIST Traceable Glass Thermometers

These calibrated thermometers are EnviroKleen™ certified and feature nontoxic, biodegradable, Enviro-Safe® liquid. Environmentally safe thermometers meet government, education, and industry mandates to purchase "green" products. The included individualized Thermometer Calibration Report states corrections to one-tenth of the smallest division, unique report number and NIST standards used for calibration ensuring the accuracy of the thermometer.



FEATURES & BENEFITS

- Individually serialized
- Made in the USA

INCLUDES

Laminated report of calibration traceable to NIST, suspension ring and storage container.

CERTIFICATIONS

- Greener Choice, NIST

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY	LENGTH	CALIBRATION POINTS (°C)	IMMERSION (MM)	FILL COLOR	BACK GLASS COLOR
700401	60204-0000	-1 to 61	±0.1°C	420 mm	0, 37, 56	76	Green	White
700398	60202-0000	-10 to 70	±0.5°C	297 mm	0, 37, 56	76	Black	Yellow
700399	60202-0100	-20 to 110	±1°C	297 mm	0, 50, 100	76	Black	Yellow
700400	60202-0500	-20 to 110	±1°C	297 mm	0, 4, 20, 37, 44.5, 103	76	Black	Yellow



Bel-Art Double-Safe™ Thermometers



These environmentally safe thermometers are PFA safety coated to keep liquid and glass contained in the event of breakage. Thermometers feature black nontoxic, biodegradable, Enviro-Safe® liquid, which is easy to read against lead-free, yellow back glass. Thermometers are traceable to NIST and includes a Statement of Accuracy and Traceability.



CERTIFICATIONS

- Greener Choice

C&M PART #	MFG PART #	RANGE	ACCURACY	DIVISIONS	IMMERSION	LENGTH
700408	60400-0600	-20 to 110°C	±1°C	1°C	76 mm	305 mm (12")
700409	60400-0700	-20 to 150°C	±1°C	1°C	76 mm	305 mm (12")
700410	60400-0900	0 to 230°F	±2°F	2°F	76 mm	305 mm (12")

Lab Refrigerator/Freezer Thermometer

Dual scale thermometer features steel case and red organic liquid.



CERTIFICATIONS

- Greener Choice



C&M PART #	MFG PART #	RANGE	ACCURACY	DIVISIONS	LENGTH
700414	60802-0300	-40 to 27°C (-40 to 80°F)	±1°C (±2°F)	1°C (2°F)	124 mm (4.9")

Vee Gee Sludge & Compost Thermometers

The Sludge & Compost Dial Thermometer is hermetically sealed to prevent lens from fogging. A 1/2" NPT(M) thread on the back makes for easy connection into a pipeline. An adjustment screw allows for field calibration.



SPECIFICATIONS

RANGE (°F)	DIVISIONS (°F)	ACCURACY (°F)	DIAL SIZE
0 to 200	2	±2	3" Diameter

C&M PART #	MFG PART #	DESCRIPTION
704672	82200-36	Dial Thermometer, 36"L Stem
704673	82200-48	Dial Thermometer, 48"L Stem

Bel-Art Easy-Read® General-Purpose Glass Thermometers



EnviroKleen™ certified thermometers feature black, nontoxic, biodegradable, Enviro-Safe® liquid. Environmentally safe thermometers meet government, education, and industry mandates to purchase "green" products. Black liquid against lead-free, yellow back glass makes reading easy causing fewer reading errors.



FEATURES & BENEFITS

- Individually serialized
- Comes with a Statement of Accuracy indicating accuracy traceable to NIST

CERTIFICATIONS

- Greener Choice

C&M PART #	MFG PART #	RANGE	ACCURACY	DIVISIONS	LENGTH	IMMERSION
700402	60301-0000	-10 to 70°C	±0.5°C	0.5°C	297 mm (11.7")	76 mm (3")
700403	60301-0200	-20 to 110°C	±1°C	1°C	305 mm (12")	76 mm (3")
700404	60301-0300	-20 to 150°C	±1°C	1°C	305 mm (12")	76 mm (3")
700405	60301-0500	0 to 230°F	±2°F	2°F	305 mm (12")	76 mm (3")

Bel-Art Enviro-Safe® Coliform Bath/Incubator Thermometer



This environmentally friendly thermometer is EnviroKleen™ certified and contain 100% nontoxic, nonhazardous, biodegradable, Enviro-Safe® green liquid. Achieve the same accuracy as similar mercury thermometers, but without the hazards. The green liquid stands out against white back glass, making it easy to read. Critical temperature points are marked at 25, 30, 37, and 56°C. Packed in recyclable Safety-Pak™ packaging.



CERTIFICATIONS

- Greener Choice

C&M PART #	MFG PART #	RANGE (°C)	ACCURACY (°C)	DIVISIONS (°C)	IMMERSION	LENGTH
700412	60510-0000	24 to 57	±0.5	0.5	35 mm (1.5")	175 mm (7")

Bel-Art Maximum Registering Autoclavable Bimetal Thermometer



This durable bimetal thermometer features a maximum registering pointer that indicates the highest temperature reached by the thermometer. The maximum registering pointer (red) that is moved up by the temperature measuring pointer (black) and remains there until manually reset. Screw directly in-line using the 1/4" NPT threaded connection; place on a flat surface using the included stand.

FEATURES & BENEFITS

- Waterproof and pressurized to withstand autoclave cycles.
- Removable protective silicone sleeve prevents moisture from contacting the dial.
- Durable 304 stainless steel construction with a glass lens withstands pressure, high temperatures and rust.

INCLUDES

Thermometer, stand and statement of accuracy.

SPECIFICATIONS

RANGE	DIVISIONS	ACCURACY	DIMENSIONS	CONNECTION
-20 to 150°C (0 to 300°F)	2°C (5°F)	±2°C	81 mm Dial x 50 mm Stem	1/4" NPT(M)

CERTIFICATIONS

- NIST

C&M PART #	MFG PART #	DESCRIPTION
707382	B61315-0000	Maximum Registering Autoclavable Bimetal Thermometer

Digital Pocket Thermometers

Pocket Thermometers are a perfect and convenient way to take process, field and lab measurements. They feature a stainless-steel stem and can provide measurements in either °C or °F. Vee Gee thermometer has a unique swivel head that can be moved a full 180° for easy reading in any position. Bel-Art thermometers feature min and max functions and are field calibratable.



INCLUDES

Thermometer, protective case, 1.5V alkaline coin cell battery (Type LR44) and user manual. Bel-Art models also include a Statement of Traceability indicating accuracy traceable to NIST.

SPECIFICATIONS

C&M PART #	RANGE	RESOLUTION	ACCURACY
704677	-50 to 150°C (-58 to 302°F)	0.1	±1.0°C (±2.0°F)
700416	-50 to 300°C (-58 to 572°F)	0.1	±0.5 to 6°C depending on temperature
700415	-40 to 232°C (-40 to 450°F)	0.1	±0.5 from 54 to 82°C; ±4°C above 176°C

CERTIFICATIONS

- NIST, IP65, IP68

C&M PART #	MFG PART #	DESCRIPTION
704677	83210-12	Vee Gee Digital Thermometer, 12" L SS Stem
700416	60900-1900	Bel-Art Calibrated Water-Resistant Digital Thermometer, IP65, 7.75" L SS Stem
700415	60900-1600	Bel-Art Calibrated Waterproof Digital Thermometer, IP68, 5" L SS Stem

Bel-Art Digital Electronic Verification Thermometers

Verify sample temperatures in freezers, refrigerators, incubators and ovens with calibrated digital certification thermometer. Accurate temperature reading without sample contamination is achieved by using the glass bead filled bottle (included), which mimics the sample. A built-in flip out stand makes it easy to view the measurements.



FEATURES & BENEFITS

- Functions include MIN/MAX/Memory
- Includes NIST-traceable certificate from ISO/IEC 17025:2017, A2LA accredited laboratory (Cert #2448.01)
- Individually serialized

INCLUDES

Thermometer, probe with 4.9-ft (1.5-m) stainless steel cable, glass bead filled bottle, one AAA battery, NIST-traceable certificate and user manual.

SPECIFICATIONS

RANGE (°C)	RESOLUTION (°C)	ACCURACY
-50 to 200	0.1	0.5°C from -20 to 70°C; 1°C from 70 to 120°C; 2°C from -50 to -20°C and 120 to 200°C

CERTIFICATIONS

- NIST

C&M PART #	MFG PART #	DESCRIPTION
700417	61000-0000	Calibrated Electronic Verification Thermometer, -50 to 200°C

Hach Pocket Pro Temperature Tester

Hach Pocket Pro Temperature Tester is designed to quickly deliver accurate results. One-point calibration ensures reliable measurements every time. Easily view temperature readings and battery status on the large, easy-to-read LCD screen. Push the lock button to lock the value on the display, making it easier to write down the measured value. Included lanyard and built-in pocket clip makes it easy to carry around.



INCLUDES

Tester, temperature sensor, lanyard, 4 AAA batteries and user manual. One-year warranty.

SPECIFICATIONS

RANGE (°C)	RESOLUTION (°C)	ACCURACY (°C)
-15 to 170	0.1	±1

CERTIFICATIONS

- IP67

C&M PART #	MFG PART #	DESCRIPTION
702545	9531700	Hach Pocket Pro Temperature Tester

Bel-Art Lab Thermometer-Hygrometer



Measure both temperature and humidity with one meter. Stainless steel construction provides durability and long service life. Large 5" dial face is easy to read even at a distance. Thermometer comes with a mounting hole.

SPECIFICATIONS

RANGE	DIVISIONS	ACCURACY
0 to 120°C/0 to 100% Humidity Range	1°C/2% RH	2°C/4% RH

C&M PART #	MFG PART #	DESCRIPTION
700464	61505-0000	Thermometer-Hygrometer

Bel-Art Bimetal Dial Thermometer

Durable bimetallic thermometer features a stainless-steel stem, polycarbonate lens and a 1/2" NPT threaded connection. External adjustment allows for simple field calibration. For correct temperature reading, stem must be immersed at least 50 mm (2") in liquids and 100 mm (4") in gases. Individually packaged in a stainless-steel case for worry-free transportation.



INCLUDES

Stainless-steel case and a Statement of Test and Calibration.

SPECIFICATIONS

RANGE	DIVISIONS	ACCURACY	DIMENSIONS	CONNECTION
-20 to 120°C (0 to 250°F)	2°C (5°F)	±1% Full Scale	75 mm Dial x 300 mm Stem	1/2" NPT(M)

CERTIFICATIONS

- NIST

C&M PART #	MFG PART #	DESCRIPTION
700428	61310-8900	Bimetal Dial Thermometer

Vee Gee Economical Total Immersion Glass Thermometers



This precision, serialized glass thermometer is ideal for use in laboratories, universities, food/beverage, environmental, wastewater and many other general-purpose applications. Organic Safety Blue fill liquid is bio-degradable and exhibits all the qualities of mercury without the risk of contamination and hazards associated with mercury. Order C&M #704627 that comes with an armor to protect the thermometer from rough handling and shock during use.

SPECIFICATIONS

RANGE (°F)	DIVISIONS (°F)	LENGTH
-30 to 120	2	12"

C&M PART #	MFG PART #	DESCRIPTION
704252	80701	Thermometer, Total Immersion
704627	80701-A	Thermometer with Armor, Total Immersion

Hach TitraLab AT1000 Automatic Titrators



The AT1000™ Automatic Titrator is an accurate and reliable instrument that offers superb dependability. It is easy to use for all skill levels, reducing operator training and process time. The auto titrator feature allows the operator to begin preparing the next sample while the instrument is performing the current measurement, thus improving lab throughput and reducing downtime. More importantly, the automatic titrator eliminates manual processes and operator interpretation, significantly improving accuracy and reliability so you can trust your measurements from day to day. For a complete system, order TitraLab® Automatic Titrator, Application Package and Reagents.

FEATURES & BENEFITS

- Eliminates errors in manual processes and operator interpretation
- Reduces amount of reagent used in every titration, saving you money.
- Reliable design significantly reduces downtime

SPECIFICATIONS

METHODS	
Alkalinity (mg/L CaCO ₃)	40 to 2000
Chloride (mg/L)	5 to 400
Chlorine Dioxide (mg/L)	0.1 to 5
Chlorine, Free (mg/L)	0.1 to 5
Chlorine, Total, Backward (mg/L)	0.005 to 5
Chlorine, Total, Forward (mg/L)	0.003 to 5
Chlorite (mg/L)	0.1 to 5
Hardness (mg/L CaCO ₃)	20 to 720
Sulfite (mg/L)	0 to 20
Titration Types	Potentiometric (Zero & Imposed Current), Amperometric and Colorimetric
Burette Motor Resolution	20,000 Steps
Curve Display	Direct & Derivative Titration; Electrode Calibration
Output	USB (2), Serial, Ethernet
Storage Capacity	Last 100 Samples, QC & Blank Analysis, Last 10 Calibrations
Display	5.7" Graphic Color VGA
Power (VAC, Hz)	100 to 240, 50/60
Dimensions (W x H x D)	8.7" x 14.2" x 15.7"

TITRALAB AUTOMATIC TITRATORS

C&M PART #	MFG PART #	DESCRIPTION
703261	AT1102.97	AT1000 Potentiometric Titrator with 1 Burette
703262	AT1112.97	AT1000 Potentiometric Titrator with 1 Burette and 1 Pump
703263	AT1122.97	AT1000 Potentiometric Titrator with 1 Burette and 2 Pumps

TITRALAB APPLICATION PACKAGE

C&M PART #	MFG PART #	DESCRIPTION
703100	AP0001.AT1102	Titration Application Pack Water: pH and Alkalinity
703101	AP0002.AT1102	Titration Application Pack Water: pH/EC and Alkalinity
703102	AP0003.AT1112	Titration Application Pack Water: Ca and Mg Hardness (ISE)
703108	AP0009.AT1112	Titration Application Pack Water: Chlorides
703106	AP0007.AT1122	AT1000 Application Pack for Cl, ClO ₂ , Chlorite & Sulfite

REAGENTS BY TEST METHOD

C&M PART #	MFG PART #	DESCRIPTION
ALKALINITY, pH & CONDUCTIVITY		
704044	S51M002	Conductivity Standard, 12.85 mS/cm, KCl 0.1D, 500 mL
701058	1481253	Hydrochloric Acid Standard, 0.10 N, 1 L
704034	S11M002	pH Buffer Standard, IUPAC, pH 4.005, 500 mL
704036	S11M004	pH Buffer Standard, pH 7.000, 500 mL
704039	S11M007	pH Buffer Standard, IUPAC, pH 10.012, 500 mL
700581	20253	Sulfuric Acid Standard, 0.100 N (N/10), 1 L
Ca & Mg HARDNESS		
700587	20553	EDTA Standard Solution, 0.0200N, 1 L
700586	20434	EDTA, Disodium Salt, 500 g
701446	2330353	Hydrochloric Acid Standard Solution, 0.02 N, 1 L
CHLORIDE		
700983	1425010	Chloride Standard, 12,500 mg/L as Cl ⁻ (NIST), 10 mL Voluette®
700895	254049	Nitric Acid Solution, 1:1, 500 mL
700620	31653	Silver Nitrate Standard Solution, 0.0141 N, 1 L
702645	17314H	Silver Nitrate, ACS, 113 g
CHLORINE, (FREE & TOTAL); CHLORINE DIOXIDE & SULFITE		
701068	1490953	Acetate Buffer Solution, pH 4.0, 1 L
701067	1490932	Acetate Buffer Solution, pH 4.0, 100 mL
701772	2630020	Chlorine Standard, 25-30 mg/L as Cl ₂ , 2 mL PourRite, Pk/20
700988	1426810	Chlorine Standard Solution, 50 to 75 mg/L as Cl ₂
701449	2333353	Iodine Standard Solution, 0.0282 N, 1 L
700815	199953	Phenylarsine Oxide (PAO) Standard Solution, 0.00564 N, 1 L
701259	2155332	Phosphate Buffer, pH 7, 100 mL, MDB
701260	2155353	Phosphate Buffer, pH 7.0, 1 L
701961	2834100	Potassium Iodide Swiftest™ with Potassium Iodide Refill Vial
706984	-	Core & Main Deionized Water, Type II, 4 L

Hach Digital Titrators



Digital Titrator™ uses a high-precision dispensing device and concentrated titrant cartridges for accurate analyses in the lab, the plant or the field. Titrator is simple to use yet versatile with more than 50 parameter/range combinations available.

Use with Titrator Cartridges (on the facing page). Concentrations of titrants are calculated so the results can be determined in mg/L from the digital counter, making the end-point determination easier. Interchangeable cartridges allow you to change titrants in seconds. Cartridges eliminate cross-contamination as well as cleaning or rinsing of burets. Concentrated titrants allow 40 to 100 typical titrations per cartridge.

INCLUDES

Digital titrator, five straight delivery tubes, case user manual. Universal Titrator Kit also includes 100-mL graduated cylinder, 125-mL and 250-mL Erlenmeyer flasks, demineralizer bottle, clippers and rugged carrying case.



FOR A COMPLETE SYSTEM ORDER

1. Digital Titrator or Titrator Kit (Buying Options Below)
2. Titrator Cartridge (See Titrator Cartridges and Reagent Kits Page)
3. Reagent Set (See Titrator Cartridges and Reagent Kits Page)
4. Accessories (Buying Options Below)

DIGITAL	BURET
Automatically calculate the precise volume amount of titrant dispensed	Buret is a manual technique and is dependent on operator skill
Built-in digital counter	Manual counting
Cartridges eliminate cross contamination	Clean burets, possibility of cross contamination
Easily use in the lab and/or field	Harder to use in the field
Use the exact amount needed for titration	More waste by using higher than needed volume of reagent

C&M PART #	MFG PART #	DESCRIPTION
701072	1690001	Digital Titrator, 0.00125 mL/digit
701369	2270900	Universal Digital Titrator Kit, 0.00125 mL/digit

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
702059	4157800	Delivery Tubes for Digital Titrator, 90 Degree Bend, Pack of 5
701028	1449501	Digital Titrator Cartridge Assembly, Empty

Hach Titrator Cartridges and Reagent Kits

Single titrant cartridge performs 40 to 100 tests. Reagent Kit contains two powder pillows and two titrant cartridges.



C&M PART #	MFG PART #	TYPE	RANGE	TITRANT	METHOD
ACIDITY					
701005	1437701	Cartridge	10 to 160 mg/L CaCO ₃	0.1600 N NaOH	Methyl Orange, Phenolphthalein
701007	1437901	Cartridge	100 to 4000 mg/L CaCO ₃	1.600 N NaOH	Methyl Orange, Phenolphthalein
701379	2272800	Reagent Kit	10 to 160 and 100 to 4000 mg/L CaCO ₃	0.1600 and 1.600 N NaOH	Methyl Orange, Phenolphthalein
ALKALINITY, TOTAL & PHENOLPHTHALEIN					
701010	1438801	Cartridge	10 to 160 mg/L CaCO ₃	0.1600 N H ₂ SO ₄	Phenolphthalein
701011	1438901	Cartridge	100 to 4000 mg/L CaCO ₃	1.600 N H ₂ SO ₄	Phenolphthalein
701370	2271900	Reagent Kit	10 to 160 and 100 to 4000 mg/L CaCO ₃	0.1600 and 1.600 N H ₂ SO ₄	Phenolphthalein, Total Alkalinity
AQUA AMMONIA					
701013	1439101	Cartridge	5 to 35% NH ₃	8.00 N H ₂ SO ₄	Colorimetric pH Endpoint
701985	2930500	Reagent Kit	5 to 35% NH ₃	8.00 N H ₂ SO ₄	Colorimetric pH Endpoint
CARBON DIOXIDE					
701006	1437801	Cartridge	10 to 100 mg/L CO ₂	0.3636 N NaOH	Phenolphthalein
701008	1438001	Cartridge	100 to 4000 mg/L CO ₂	3.636 N NaOH	Phenolphthalein
701378	2272700	Reagent Kit	10 to 100 and 100 to 4000 mg/L CO ₂	0.3636 and 3.636 N NaOH	Phenolphthalein
CHELANT, FREE					
701109	2062501	Cartridge	0 to 20 mg/L CaCO ₃	0.0800 M MgCl ₂	Magnesium Chloride
CHELANT, TOTAL					
701109	2434501	Cartridge	0 to 40 mg/L as Na ₄ EDTA	0.0200 M Bi (NO ₃) ₃	Bismuth Nitrate
CHLORIDE					
701014	1439301	Cartridge	10 to 160 mg/L Cl ⁻	0.2256 N Hg (NO ₃) ₂	Mercuric Nitrate
700692	92101	Cartridge	100 to 8000 mg/L Cl ⁻	2.256 N Hg (NO ₃) ₂	Mercuric Nitrate
701377	2272600	Reagent Kit	10 to 160 and 100 to 8000 mg/L Cl ⁻	0.2256 and 2.256 N Hg (NO ₃) ₂	Mercuric Nitrate

Continued on Next Page



Hach Titrator Cartridges and Reagent Kits

(continued)

C&M PART #	MFG PART #	TYPE	RANGE	TITRANT	METHOD
CHLORIDE (CONTINUED)					
701015	1439601	Cartridge	10 to 100 mg/L Cl ⁻	0.2256 N AgNO ₃	Silver Nitrate
701007	1439701	Cartridge	100 to 10,000 mg/L Cl ⁻	1.128 N AgNO ₃	Silver Nitrate
701393	2288000	Reagent Kit	10 to 100 and 100 to 10,000 mg/L Cl ⁻	0.2256 and 1.128 N AgNO ₃	Silver Nitrate
CHLORINE, FREE					
700812	199901	Cartridge	0 to 1000 µg/L Cl ₂	0.00564 N PAO	Amperometric, Forward
701395	2292301	Cartridge	0 to 3.00 mg/L Cl ₂	0.00564 N FEAS	DPD-FEAS
701595	2445300	Reagent Kit	0 to 3.00 mg/L Cl ₂	0.00564 N FEAS	DPD-FEAS
CHLORINE, TOTAL					
701533	2409101	Cartridge	1 to 400 mg/L Cl ₂	0.02256 N Na ₂ S ₂ O ₃	Amperometric, Forward
701363	2267301	Cartridge	20 to 2000 mg/L Cl ₂	0.113 N Na ₂ S ₂ O ₃	DPD-FEAS
701376	2272500	Reagent Kit	20 to 2000 mg/L Cl ₂	0.113 N Na ₂ S ₂ O ₃	DPD-FEAS
701022	1440101	Cartridge	2000 to 70,000 mg/L Cl ₂	2.00 N Na ₂ S ₂ O ₃	Iodometric
701594	2444800	Reagent Kit	2000 to 70,000 mg/L Cl ₂	2.00 N Na ₂ S ₂ O ₃	Iodometric
CHROMATE					
701366	2267601	Cartridge	20 to 400 mg/L CrO ₄ ²⁻	0.2068 N Na ₂ S ₂ O ₃	Titration Method 8211
HARDNESS, CALCIUM					
701002	1436401	Cartridge	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2)
701599	2447200	Reagent Kit	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2)
701017	1439901	Cartridge	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2)
701600	2447500	Reagent Kit	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2)
701069	1495901	Cartridge	10 to 200 G.d.h.	0.714 M EDTA	EDTA (CalVer 2)
701070	1496001	Cartridge	1 to 16 G.d.h.	0.1428 M EDTA	EDTA (CalVer 2)
HARDNESS, TOTAL					
701002	1436401	Cartridge	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2)
701603	2448000	Reagent Kit	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2)
701017	1439901	Cartridge	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2)
701604	2448100	Reagent Kit	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2)
701069	1495901	Cartridge	10 to 200 G.d.h.	0.714 M EDTA	EDTA (CalVer 2)
701070	1496001	Cartridge	1 to 16 G.d.h.	0.1428 M EDTA	EDTA (CalVer 2)
HARDNESS, TOTAL, SEQUENTIAL					
701002	1436401	Cartridge	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2 & ManVer 2)
701606	2448600	Reagent Kit	10 to 160 mg/L CaCO ₃	0.0800 M EDTA	EDTA (CalVer 2 & ManVer 2)
701017	1439901	Cartridge	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2 & ManVer 2)
701607	2448700	Reagent Kit	100 to 4000 mg/L CaCO ₃	0.800 M EDTA	EDTA (CalVer 2 & ManVer 2)
701069	1495901	Cartridge	10 to 200 G.d.h.	0.714 M EDTA	EDTA (CalVer 2 & ManVer 2)
701070	1496001	Cartridge	1 to 16 G.d.h.	0.1428 M EDTA	EDTA (CalVer 2 & ManVer 2)
HYPOCHLORITE					
701840	2686901	Cartridge	50 to 150 g/L Cl ₂	2.26 N Na ₂ S ₂ O ₃	Iodometric
701841	2687000	Reagent Kit	50 to 150 g/L Cl ₂	2.26 N Na ₂ S ₂ O ₃	Iodometric
IRON					
701155	2081701	Cartridge	10 to 100 mg/L Fe	0.0716 M EDTA	EDTA
701609	2449200	Reagent Kit	10 to 100 mg/L Fe	0.0716 M EDTA	EDTA
701156	2081801	Cartridge	100 to 1000 mg/L Fe	0.716 M EDTA	EDTA
701610	2449300	Reagent Kit	100 to 1000 mg/L Fe	0.716 M EDTA	EDTA
NITRITE					
701368	2270701	Cartridge	100 to 2500 mg/L NaNO ₂	0.5 N Ceric Ion	Ceric Ion Titration
OXYGEN, DISSOLVED					
701365	2267501	Cartridge	1 to 10 mg/L DO	0.200 N Na ₂ S ₂ O ₃	Azide Modification, Winkler Titration Method
701373	2272200	Reagent Kit	1 to 10 mg/L DO	0.200 N Na ₂ S ₂ O ₃	Azide Modification, Winkler Titration Method
701022	1440101	Cartridge	10 - 100 mg/L DO	2.00 N Na ₂ S ₂ O ₃	Azide Modification, Winkler Titration Method
SALINITY					
701510	2393701	Cartridge	0 to 100 ppt Salinity	2.570 N Hg (NO ₃) ₂	Mercuric Nitrate
SULFITE					
701071	1496101	Cartridge	0 to 800 mg/L SO ₃ ²⁻	0.39998 N KIO ₃ -KI	Iodate-Iodide
701374	2272300	Reagent Kit	0 to 800 mg/L SO ₃ ²⁻	0.39998 N KIO ₃ -KI	Iodate-Iodide



2100Q Portable Turbidimeter



Measuring and monitoring turbidity is crucial for various industrial and municipal applications. The 2100Q™ Portable Turbidimeter provides unsurpassed ease of use and accuracy normally associated with laboratory instruments, resulting in reliable measurement every time.

The intuitive user interface makes it easy to take measurements and perform calibration and verification. Two-detector optical system compensates for color, light fluctuation and stray light to provide the most accurate measurements, even under difficult site conditions. Meter stores up to 500 measurements, including date and time, operator ID, reading mode, sample ID, sample number, units, calibration time, calibration status, error messages and the result. Easily transfer data to a PC or printer using USB + Power Module C&M #[703747](#).

INCLUDES

Turbidimeter, six sample cells, StablCal ampule kit, silicone oil, oiling cloth, four AA alkaline batteries, case assembly and user manual.

SPECIFICATIONS

RANGE	RESOLUTION	ACCURACY
0 to 1000 NTU	0.01 NTU on Lowest Range	±2% reading; ±1 LSD to 499 NTU; ±3% from 500-1000 NTU

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION	SAMPLE SIZE
702686	2100Q01	2100Q Portable Turbidimeter	15 mL

OPTIONAL ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703746	LZV804.99.00002	Power Module for 2100Q/2100Q IS & DR1900
703747	LZV813.99.00002	USB + Power Module for 2100Q/2100Q IS & DR1900
702069	4397500	Sample Degassing Kit
702070	4397510	Sample Filtration & Degassing Kit
702017	2971210	StablCal® Turbidity Standards Calibration Set, 100 mL
702015	2971200	StablCal Turbidity Standards Calibration Set, 500 mL
701624	2464105	Gelex Secondary Standards Kit

REPLACEMENT PARTS & ACCESSORIES:

C&M PART #	MFG PART #	DESCRIPTION
702016	2971205	StablCal Vials Turbidity Standards Calibration Kit
702004	2961701	StablCal Verification Standard for 2100Q, 10 NTU
700741	126936	Silicone Oil, 15 mL SCDB
702123	4707600	Sample Cell Oiling Cloth
701571	2434706	Portable Turbidimeter Sample Cells, Pack of 6
702103	4653900	Replacement Lamp Assembly for 2100Q
107265	2460-304-000	Pelican™ 2469P AA Rechargeable NiMH Batteries, Pack of 4

HACH SAMPLE CELLS



See **page 71** for our entire selection of Hach Sample Cells.



Hach StabCal Turbidity Standards



StabCal® Stabilized Formazin Turbidity Standards are true Formazin dilutions developed for use in any turbidimeter. Precise, premixed solutions require NO dilution and are ready for use.

CALIBRATION KITS

C&M PART #	MFG PART #	NTU VALUE	SIZE
702016	2971205	20, 100, 800 for Calibration; 10 for Verification	Sealed Vials
701789	2659405	<0.1, 20, 100, 800	Sealed Vials
701790	2659410	<0.1, 20, 100, 800	100-mL Bottle
701788	2659400	<0.1, 20, 100, 800	500-mL Bottle
701817	2662105	<0.1, 20, 200, 1000, 4000	Sealed Vials
701818	2662110	<0.1, 20, 200, 1000, 4000	100-mL Bottle
701816	2662100	<0.1, 20, 200, 1000, 4000	500-mL Bottle
701792	2659505	<0.1, 20, 200, 1000, 4000, 7500	Sealed Vials
701793	2659510	<0.1, 20, 200, 1000, 4000, 7500	100-mL Bottle
701791	2659500	<0.1, 20, 200, 1000, 4000, 7500	500-mL Bottle
701861	2714600	0.1, 0.3, 0.5, 1.0	100-mL Bottle

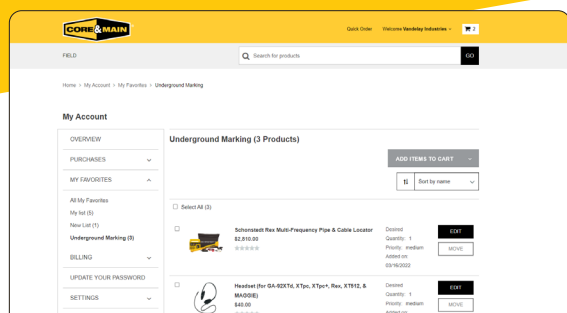
GELEX SECONDARY STANDARDS

C&M PART #	MFG PART #	NTU VALUE	SIZE
701624	2464105	0 to 10, 10 to 100, 100 to 1000	Sealed Vials
701708	2589000	0 to 2, 0 to 20, 0 to 200, 200 to 4000	Sealed Vials
701715	2589200	0 to 2, 0 to 20, 0 to 200, 200 to 4000, 4000 to 10,000	Sealed Vials

PRIMARY STANDARDS

C&M PART #	MFG PART #	NTU VALUE	SIZE
701705	2584202	7500	Sealed Vial
701795	2659742	<0.1	100-mL Bottle
701863	2723342	0.1	100-mL Bottle
701848	2697942	0.3	100-mL Bottle
701850	2698042	0.5	100-mL Bottle
701799	2659842	1	100-mL Bottle
701803	2659942	10	100-mL Bottle
701805	2660142	20	100-mL Bottle
701808	2660242	100	100-mL Bottle
701810	2660442	200	100-mL Bottle
701812	2660542	800	100-mL Bottle
701814	2660642	1000	100-mL Bottle
700883	246142	4000	100-mL Bottle
701796	2659749	<0.1	500-mL Bottle
701800	2659849	1	500-mL Bottle
701804	2659949	10	500-mL Bottle
701806	2660149	20	500-mL Bottle
701809	2660249	100	500-mL Bottle
701811	2660449	200	500-mL Bottle
701813	2660549	800	500-mL Bottle
701815	2660649	1000	500-mL Bottle
700884	246149	4000	500-mL Bottle
701797	2659753	<0.1	1-L Bottle
701864	2723353	0.1	1-L Bottle
701849	2697953	0.3	1-L Bottle
701916	2788453	0.8	1-L Bottle
701801	2659853	1	1-L Bottle
701807	2660153	20	1-L Bottle
701881	2746353	40	1-L Bottle
701882	2746356	40	1-Gallon Bottle

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Hach TL23 Series Benchtop Turbidimeters



Use the Hach TL23™ Series Turbidimeters for high-range turbidity measurements. A blend of trusted technology and new improved features simplify testing in the most demanding industrial and wastewater applications.

Easy-to-use color touch screen and intuitive interface provide for quick setup, calibration, and measurement. Meters accept the turbidity measurements once the readings stabilize, ensuring accurate and reliable analysis and eliminating the need for repeated measurements. Two USB ports allow connection to a flash drive, printer, scanner, or keyboard simultaneously.

TL23 Series turbidimeters are available as standard TL2300™ or advanced TL2350™. Standard model has a range of 0 to 4000 NTU; advanced model has a range of 0 to 10,000 NTU and also measures absorbance and transmittance.

FEATURES & BENEFITS

- View measurements on a large color touchscreen display
- Recognizes and captures stable readings to ensure accuracy
- Store up to 2000 data points
- Export data via USB port
- Meets EPA Method 180.1

CERTIFICATIONS

- EPA Compliant

INCLUDES

Turbidimeter, silicone oil, oiling cloth, USEPA® filter assembly, six 1-inch sample cells (30 mL) with caps, Gelex secondary turbidity standardization kit, StabCal calibration kit, power supply, power cord and dust cover. One-year warranty.

SPECIFICATIONS

C&M PART #	703599	703600
TURBIDITY (NTU)		
Range	Ratio on: 0 to 4000 Ratio off: 0 to 40	Ratio on: 0 to 10,000 Ratio off: 0 to 40
Resolution	0.001 on Lowest Range	0.001 on Lowest Range
Accuracy	Ratio on: ±2% of Reading Plus 0.01 from 0 to 1000, ±5% of Reading from 1000 to 4000 Based on Formazin Primary Standard Ratio off: ±2% of Reading Plus 0.01 from 0 to 40	Ratio on: ±2% of Reading Plus 0.01 from 0 to 1000, ±5% of Reading from 1000 to 4000, ±10% of Reading from 4000 to 10,000 Ratio off: ±2% of Reading Plus 0.01 from 0 to 40
ABSORBANCE (ABS)		
Range	—	0 to 1.0
Resolution	—	0.004
Accuracy	—	0 to 0.5 at 455 nm: ±0.01 0.5 to 1 at 455 nm: ±2%
TRANSMITTANCE (%)		
Range	—	1.0 to 100
Resolution	—	0.8
Accuracy	—	2% from 10 to 100% T at 455 nm
Light source	Tungsten filament lamp	
Memory	2000	
Interface	Two USB ports	
Power (VAC, Hz)	100 to 240, 50/60	

C&M PART #	MFG PART #	DESCRIPTION
703599	LPV444.99.00210	TL2300 Standard Turbidimeter, 0 to 4000 NTU
703600	LPV444.99.00310	TL2350 Advanced Turbidimeter plus Abs and % Transmittance, 0 to 10,000 NTU

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
701163	2084900	Lab Turbidity Sample Cells with Cap, 30 mL, Glass, Pack of 6
701817	2662105	Stabcal Turbidity Standards Calibration Kit, 0.1, 20, 200, 1000, 4000 NTU, Sealed Vials, Set of 5
701818	2662110	Stabcal Turbidity Standards Calibration Kit, 0.1, 20, 200, 1000, 4000 NTU, 100 mL Bottles, Set of 5
701708	2589000	Gelex Secondary Turbidity Standard Kit, 0 to 2, 0 to 20, 0 to 200, 200 to 4000 NTU and Stray Light Standard, Set of 5
701715	2589200	Gelex Secondary Turbidity Standard Kit, 0 to 2, 0 to 20, 0 to 200, 200 to 4000, 4000 to 10,000 NTU and Stray Light Standard, Set of 6
700741	126936	Silicone Oil, 15 mL
702123	4707600	Sample Cell Oiling Cloth
702559	9653500	Filter Assembly for TL23 Series Turbidimeters, USEPA Method 180.1
702560	9659000	Replacement Lamp Assembly
702557	9647700	Lamp Access Cover
702069	4397500	Sample Degassing Kit
702070	4397510	Sample Filtration and Degassing Kit
702558	9649100	Dust Cover

Hach TU5200 Benchtop Laser Turbidimeters



Hach TU5200™ Benchtop Turbidimeters measure low-range turbidity making these ideal for finished drinking water applications. The patented optical block captures 90° scatter, through 360° detection for highly accurate and repeatable readings. Measurements can be taken in single, continuous, or minimum mode. With less sample surface to clean, sealed vials for calibration and the elimination of indexing and silicone oil, the amount of time needed for sample preparation is drastically reduced.

Intuitive user interface and a 7-in. color TFT-LCD touch screen display make the turbidimeter simple to use. Connect external devices such as a computer, keyboard, barcode scanner or flash drive via Ethernet or three USB ports. Meter stores and organizes up to 2000 data points—export through USB flash drive or via LAN connection. Operator name and results can easily be saved for every measurement and calibration. Password protection prevents any unwanted changes.

Use the RFID-enabled turbidimeter for quick and easy data transfer. Add RFID tags to your samples to store information about the sample and easily transfer data between RFID-capable instruments. Simply hold the RFID tag near the turbidimeter to retrieve the information. Online turbidimeters are available for comparing measurements from lab and process instruments. Meter will indicate if the difference between the measurements fall outside the user-defined limit.

FEATURES & BENEFITS

- Faster in every way—sample preparation, calibration and cleaning all take less time
- Specifically designed for testing drinking water and other ultrapure water
- A 360° x 90° detection technology lets you see more of your sample
- Precision Class 2 laser provides drift-free light source

INCLUDES

Turbidimeter, StablCal kit (10, 20 and 600 NTU in sealed vials), sample vials, vial stand, dust cover and power supply. One-year warranty.

SPECIFICATIONS

RANGE	0 to 700 NTU, FNU, TE/F, FTU; 0 to 100 mg/L; 0 to 175 EBC
RESOLUTION	0.0001 NTU / FNU / TE/F / FTU / EBC / mg/L
ACCURACY	±2 % plus 0.01 from 0 to 40; ±10 % of reading from 40 to 1000 NTU based on Formazin primary standard (at 25 °C)
REPEATABILITY	<40 NTU: Better than 1% of reading or ±0.002 NTU on Formazin at 25 °C, whichever is greater; >40 NTU: Better than 3.5% of reading on Formazin at 25 °C
LIGHT SOURCE	Class 2 Laser with embedded 650 nm
DISPLAY	7-in. TFT-LCD WVGA Color Touchscreen
MEMORY	2000 Data Points
OUTPUT	Ethernet, Two USB A and One USB B
POWER (VAC, Hz)	100 to 240, 50/60

CERTIFICATIONS

- EPA Compliant

C&M PART #	MFG PART #	DESCRIPTION
703594	LPV442.99.01012	TU5200 Benchtop Turbidimeter
703596	LPV442.99.03012	TU5200 Benchtop Turbidimeter with RFID Capability

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
703768	LZV946	Sample Vials for TU5200 Benchtop Laser Turbidimeter, Pack of 2
703863	LZY835	Stablcal Primary Standard Set with RFID, 10, 20 and 600 NTU
703871	LZY899	Stablcal Calibration Vial without RFID, 20 NTU
703864	LZY837	Stablcal Calibration Vial with RFID, 20 NTU
703872	LZY900	Stablcal Calibration Vial without RFID, 600 NTU
703873	LZY901	Glass Rod Secondary Turbidity Standard for TU5200 with RFID, <0.1 NTU
703728	LZQ066	Operator RFID Tag, Pack of 2
703729	LZQ067	Sample RFID Tag, Black, Pack of 3
703730	LZQ068	Sample RFID Tag, Yellow, Pack of 3
703731	LZQ069	Sample RFID Tag, Red, Pack of 3
703732	LZQ070	Sample RFID Tag, Blue, Pack of 3
703615	LQV157.99.50002	SIP10 Sipper Unit, Peristaltic Pump and Lid for Pour Thru Measurement
702070	4397510	Sample Filtration and Degassing Kit
703874	LZY903	Manual Vial Wiper
703882	LZY945	Microfiber Cloth
703769	LZV952	Vial Stand, Holds Five Samples

Hach Zinc DR300 Pocket Colorimeter



The Hach Zinc DR300 Pocket Colorimeter maintains Hach's legacy of reliable zinc testing for EPA-compliance and process control applications while providing state-of-the-art features.

FEATURES & BENEFITS

- Accurately measure zinc using US EPA approved Zincon method
- Rugged, waterproof design withstands any conditions encountered in the field, plant or lab
- Simple, intuitive operation reduces potential for user error
- Easily view measurements on the large, backlit display
- Compact size—easily fits in your pocket
- Store and recall last 50 measurements
- Battery life lasts for up to 5000 tests

INCLUDES

DR300 colorimeter, batteries, sample cells, operating manual and storage case. One-year warranty.

SPECIFICATIONS

PARAMETER	Zinc
METHOD	Zincon
RANGE (mg/L Zn)	0.02 to 3.00
SAMPLE SIZE (mL)	10
BATTERY LIFE	Up to 5000 tests
BATTERY TYPE	Four "AAA" Alkaline Batteries

CERTIFICATIONS

- EPA Compliant, IP67

C&M PART #	MFG PART #	DESCRIPTION	# TESTS
700107	LPV445.97.09110	DR300 Zinc Pocket Colorimeter	-
701554	2429300	Zinc Powder Pillow Reagent Set	100

REPLACEMENT PARTS & ACCESSORIES

C&M PART #	MFG PART #	DESCRIPTION
700936	1403332	Cyclohexanone, 100 mL
701214	2106669	ZincoVer® 5 Powder Pillows, Pack of 100
700028	2427606	Glass Sample Cells, 10 mL, Pack of 6

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7. When goods are delivered to Buyer in Seller’s own vehicles, the F.O.B. point shall be Buyer’s designated delivery site. In all other cases the F.O.B. point shall be Seller’s store or warehouse and all responsibility and costs of shipping and delivery beyond the applicable F.O.B. point shall be borne by Buyer. Title and risk of loss shall pass to Buyer at the applicable F.O.B. point, which for goods not delivered in Seller’s own vehicles shall be when Seller delivers the goods to the common carrier. All claims for shortage of goods or for loss or damage to goods as to which Seller has the risk of loss shall be waived unless Buyer, within 10 calendar days after receipt of the short or damaged shipment, gives Seller written notice fully describing the alleged shortage or damage. Partial shipments are permitted at Seller’s discretion.

8. Any change in product specifications, quantities, destinations, shipping schedules, or any other aspect of the scope of goods must be agreed to in writing by Seller, and may result in a price and delivery adjustment by Seller. No credit for goods returned by Buyer shall be given without Seller’s written authorization. All returns are subject to a restocking charge.

9. Unless otherwise agreed in writing, payment terms are net 30 days from delivery, payable in United States of America (“U.S.”) dollars. Notwithstanding the foregoing, all orders are subject to Seller’s continuing approval of Buyer’s credit. If Buyer’s credit is not approved or becomes unsatisfactory to Seller then Seller, in its sole discretion, may suspend or cancel performance, or require different payment terms, including but not limited to cash on delivery or in advance of shipment. In addition, Seller may in its discretion require an advance deposit of up to 100% of Seller’s selling price for any specially manufactured goods ordered by Buyer hereunder. Payments due hereunder shall be made in the form of cash, check, or money order, or other tender approved in writing by Seller. Seller may, in its sole discretion, apply Buyer’s payment against any open charges. Past due accounts bear interest at the lesser of 1.5% per month or the maximum rate permitted by applicable law, continuing after Seller obtains judgment against Buyer. Seller may exercise setoff or recoupment to apply to or satisfy Buyer’s outstanding debt. Buyer shall have no right of setoff hereunder, the same being expressly waived hereby. Seller expressly reserves its right to file liens if payment is not received for its materials and expressly disclaims any waiver of lien rights language which may be contained in any future agreements between the Parties hereto. Seller reserves all rights to invoice and be paid for materials provided to Buyer and any terms contained in any of Buyer’s purchase orders or other documents that purport to limit in any way the time or manner within which Seller may invoice are hereby waived by Buyer.

10. Buyer shall not export or re-export, directly or indirectly, all or any part of the goods or related technology obtained from Seller under these Terms except in accordance with applicable export laws and regulations of the U.S. Further, a Buyer that is a non-U.S. company or citizen shall similarly limit any export or re-export activity to that which would be deemed compliant with U.S. export laws and regulations if performed by a U.S. company or citizen.

11. Buyer shall pay Seller all costs and expenses of collection, suit, or other legal action brought as a result of the commercial relationship between them, including, but not limited to, all actual attorneys’ and paralegals’ fees, and collection costs, incurred pre-suit, through trial, on appeal, and in any administrative or bankruptcy proceedings. Any cause of action that Seller has against Buyer may be assigned without Buyer’s consent to Core & Main LP or to any affiliate, parent or subsidiary of Core & Main LP

12. This Agreement, Buyer’s account, and the business relationship between Buyer and Seller shall be governed by and construed in accordance with the laws of the state where the applicable project is located without regard to conflicts of laws rules, and specifically excluding the UN Convention on Contracts for the International Sale of Goods. The Parties agree that any legal action arising under or related to this Agreement may be brought in the applicable federal or state court where the project is located, and any right to object to such venue or to assert the inconvenience of such forum is hereby waived.

13. If Buyer fails to comply with these Terms, Seller may terminate or restrict any order immediately upon notice to Buyer. Buyer certifies that it is solvent and that it will advise Seller immediately if it becomes insolvent. Buyer agrees to send Seller written notice of any changes in the form of ownership of Buyer’s business within 5 days of such changes. Buyer and Seller are the only intended beneficiaries of this document, and there are no third party beneficiaries.

14. The invalidity or unenforceability of all or part of these Terms will not affect the validity or enforceability of the other terms. The parties agree to replace any void or unenforceable term with a new term that achieves substantially the same practical and economic effect and is valid and enforceable.

15. The following provisions shall survive termination, cancellation and completed performance of this Agreement as long as necessary to allow the aggrieved party to fully enforce such clauses: 5, 6, 9, 10, 11 and 12.

Core & Main LP Terms and Conditions of Sale - Rev 091718





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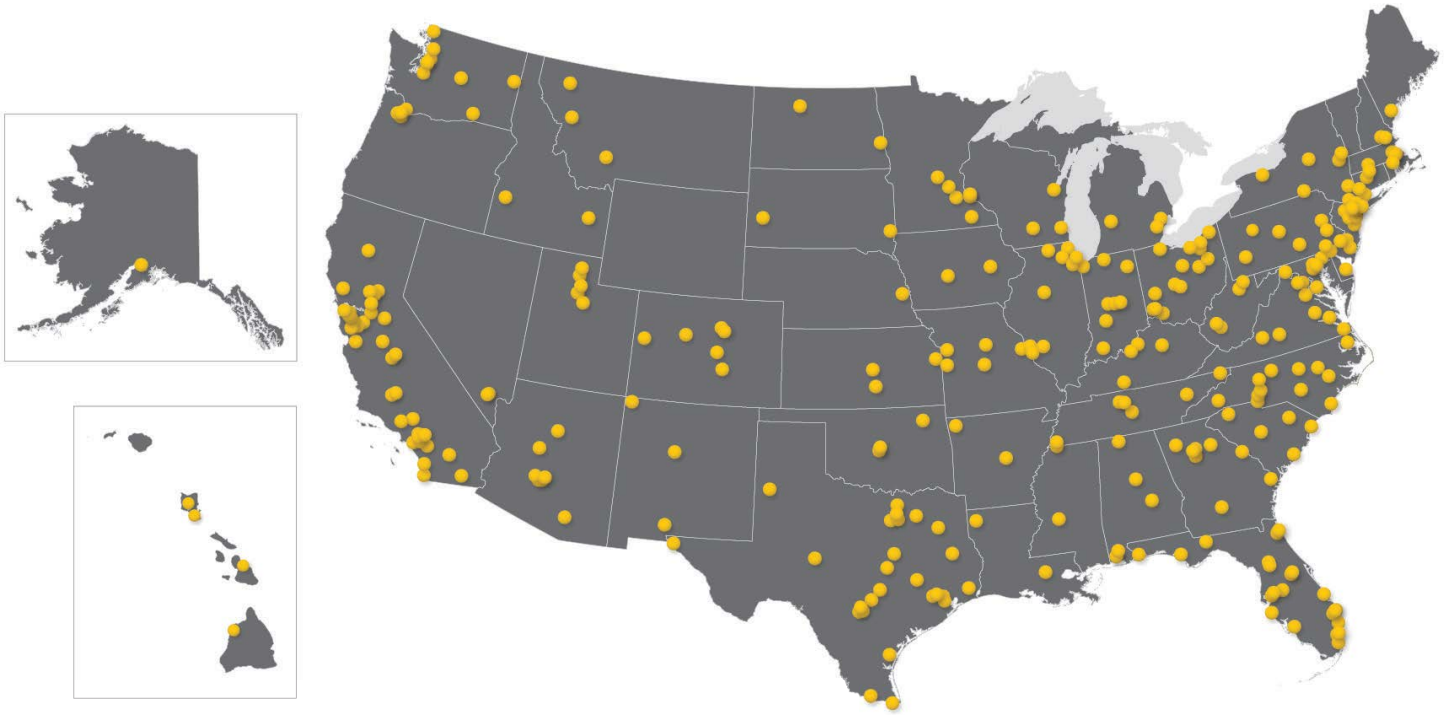
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