

## BEAKERS - BOD

### ■ BEAKERS

Glass beakers have thick, slightly flared top, with spout designed for excellent pouring. Designed from ASTM specifications E960, type I requirements. All sizes have marking area and white graduated volume scale.

Nalge® Polypropylene Beakers are polypropylene with superior chemical resistance. Ribbed for easy stacking. Meets ISO/DIS 7056 Standards for Lab Plastic Accuracy. Autoclavable.



GLASS ORDER CODE	PLASTIC ORDER CODE	DESCRIPTION
0410	0944	Beaker, 50 mL
0415	0896	Beaker, 100 mL
0414	2-2011	Beaker, 150 mL
0596	—	Beaker, 200 mL
0411	0609	Beaker, 250 mL
2-2024	2-2013	Beaker, 400 mL
0412	2-2014	Beaker, 600 mL
2-2027	—	Beaker, 1,000 mL

### ■ BOD

#### WHEATON WATER BOTTLES, CAP, & RACK

Bottle has flared lip for forming a water seal and penny-head glass stopper with pointed bottom to eliminate the trapping of air bubbles.

Polyethylene cap complete with a closed cell foam insert snaps firmly over the flared mouth of bottle preventing evaporation of water seal during 5-day incubation period.

BOD Bottle Rack holds 12 - 300 mL BOD bottles. PVC-covered wire rack with carrying handles. Racks interlock when stacked. 13x10x7 in. high.



ORDER CODE	DESCRIPTION
1781-N32	BOD Bottle, 300mL, Cs 24
1781-N85	Cap, BOD Bottle, Cs 50
1781-Q05	Rack, BOD Bottle

### PRE-FILLED DILUTION BOTTLES

Pre-filled, sterilized. Just open, insert sample, close, shake, and analyze. Buffered to pH 7.2 ± 0.2. Filled to 99 mL ± 2 for 1:100 dilutions or 90 mL ± 2 for 1:10 dilutions. Total capacity 150 mL.



ORDER CODE	DESCRIPTION	DILUENT FILL (ML)	DILUENT RATIO
1756-U40	Dilution Bottle, Stopper Color: Red, Cs 72	99 ± 2	1/100
1756-U41	Dilution Bottle, Stopper Color: Red, Cs 72	90 ± 2	1/10

### BOD POLYSEED

Polybac Corporation Polyseed® For producing acclimated seed for fast, economical BOD<sub>5</sub> analyses with consistent results. Each capsule contains 100 mg for specialized, lyophilized bacterial cultures. Contents of capsule are added to 500 mL of APHA standard nutrient water at 20°C and stirred for 60 minutes. Resultant mixture provides enough acclimated seed for up to 250 BOD tests. EPA accepted.



ORDER CODE	DESCRIPTION
9855-D20	Polyseed®, Pk 50

### N-CON BOD-CUBATOR

No modifications to refrigerator necessary; your refrigerator can be temporarily converted to meet peak loads. Thermostat control alternates operation of its heater's and the refrigerator's cooling system to maintain temperature over range 5° to 40 °C.



ORDER CODE	DESCRIPTION
6124-N10	BOD-Cubator

## BOD - CLEANERS

### ■ BOD (Continued)

#### LAB-LINE ECONOMY INCUBATORS

Adjustable bimetallic thermostat. Pilot light indicates when heater is energized. Backed by 15-month manufacturer's warranty.



ORDER CODE	DESCRIPTION
6127-A22	Economy Incubator

### ■ BRUSHES

#### GENERAL BLACK BRISTLE

Made of brass wire with tufted bristle end. For cleaning cylinders, large tubes, etc.



ORDER CODE	DESCRIPTION
2-2035	Brush, 305mm L, 76 mm bristle L, 51mm bristle dia., 27-45 Cylinder i.d.
2-2036	Brush, 380mm L, 102 mm bristle L, 64mm bristle dia., 32-60 Cylinder i.d.

#### FLASK/BOD BOTTLE BRUSH

Allows access to entire inside surface of flasks or BOD bottles. Black hog bristle brush 4¼ in. long mounted on a flat steel shank attached to a pivoting shaft.



ORDER CODE	DESCRIPTION
1929-R35	Brush, 16 in, Pk 3

#### IMHOFF CONE

Conical shape with tufted bristle and sturdy twisted wire handle. Black bristles combine with stiff fibers, shaped to fit into cone tip. Bristle part 9 in. long, 4 in. top diameter, 1½ in. bottom diameter, tip 3 in. long, length including handle 30 in.



ORDER CODE	DESCRIPTION
1930-D10	Brush, Imhoff cone

### ■ BURETS

Twelve inch high, self-leveling, glass burets are graduated from 0-10 mL in 0.1 mL increments. Available with rubber squeeze valve, glass stopcock, or Teflon® stopcock. Buret-24 assembly includes empty 250 mL bottle of natural, low density polyethylene which attaches to 24 mm screwcap on buret stem. Buret-28 assembly has 250 mL bottle of amber polyethylene and 28 mm cap. Bottle serves as titrant reservoir; a gentle squeeze forces titrant into buret, where it automatically levels on 0 mL mark at top of scale.



BURET TYPE	ORDER CODE WITH POLY BOTTLE	ORDER CODE WITH AMBER BOTTLE	ORDER CODE BURET & CAPS ONLY
Rubber Squeeze	0847-24	0847-28	0427
Glass Stopcock	0827-24	0827-28	0826
Teflon Stopcock	0996-24	0996-28	0997

### ■ CASSEROLES

#### COORS® PORCELAIN CASSEROLES

Glazed inside and outside with exception of rim. Has spout and flat porcelain handle. No lid.



ORDER CODE	CAPACITY (ML)	DIAMETER (IN)	HEIGHT (IN)
2427-C50	140	3⅝	1¼
2427-C60	210	3¾	2

### ■ CLEANERS

#### ALCONOX® BIODEGRADABLE CLEANING COMPOUND

Mild, odorless, non-toxic powdered wetting agent and detergent for cleaning glassware, porcelain, metal, plastic, or rubber. Suitable for use in ultrasonic cleaners. Usual dilution 1 tablespoon to 1 gallon water.



ORDER CODE	DESCRIPTION
2902-G05	Alconox, 4 lb Box

## CLEANERS - COLIFORM

### ■ CLEANERS (Continued)

#### KIMBERLY-CLARK KIMWIPE® ABSORBENT LIGHT-DUTY WIPER

Single-ply premium lab wiper for extra low-lint performance. Won't scratch delicate surfaces. LINTGUARD® polyshield reduces lint and electrostatic discharge when dispensing. Gently absorbent for light liquid pickup.



ORDER CODE	DESCRIPTION
2-2069	4½ x 8½ single-ply in dispensing box, Bx 280
2-2070-15	15 x 17 single-ply in dispensing box, Cs 15

### ■ COD

120V and 230V, 12-tube capacity. This COD heater block features digital microprocessor control, programmable time and temperature settings, and a dual LED display to monitor both temperature and timer. Perfect for COD, Total Phosphorus, and Total Nitrogen testing PLUS other tests requiring digestion. See page 14 for additional specifications.



ORDER CODE	DESCRIPTION
5-0102	COD Heater Block, 120 V
5-0102-EX2	COD Heater Block, 230 V

### ■ COLIFORM

#### THOMAS® COLIFORM WATER SAMPLE BAG

Twist tie top seals with a 5 mm wide metal strip. Large textured label area. Meets EPA requirements for microbiological samples for potable water according to Standard Methods (Method 9060 A) or for NPDES compliance monitoring. Sterilized, with thiosulfate dechlorination tablet included. 100 mL fill line marked for easy reference.



ORDER CODE	DESCRIPTION
1303-R90	Sample Bag, 100/bag

#### THOMAS® COLIFORM WATER SAMPLING VIAL

Improved sample container for microbiological testing. Ideal when filtration or the Colilert® method is used. Improved latching mechanism, won't open or leak in transit. Pre-sterilized, with thiosulfate tablet included. 120 mL fill line.



ORDER CODE	DESCRIPTION
9853-Q35	Vial with tablet, Bg 100

#### WHATMAN® QUANTITATIVE ASHLESS FILTER PAPERS

Suitable for precipitates that are ordinarily difficult to filter (2.5 µm particle retention). Acid Wash, Ash Content 0.007%. Highly retentive for very fine analytical precipitates. Recommended for use with vacuum.



ORDER CODE	DESCRIPTION
4716-Q10	Filter Paper, 5.5 cm, Pk 100
4716-Q15	Filter Paper, 7 cm, Pk 100
2-2098	Filter Paper, 9 cm, Pk 100
4716-Q25	Filter Paper, 11 cm, Pk 100
2-2100	Filter Paper, 12.5 cm, Pk 100
4716-Q35	Filter Paper, 15 cm, Pk 100
4716-Q40	Filter Paper, 18.5 cm, Pk 100
4716-Q45	Filter Paper, 40 cm, Pk 100

#### GELMAN GN-6 METRICEL® FILTER MEMBRANE

Certified for the microbiological analysis of potable, waste, process, and natural waters in accordance with the membrane filtration technique referenced in Standard Methods, and the US EPA's Microbiological Methods for Monitoring the Environment, 600/8-78-01. The mixed Cellulose Ester Metricel® is resistant to ether, aromatic hydrocarbons, carbon tetrachloride, chloroform, petroleum, ethylene glycol, glycerine, and dilute acids. This Metricel® is attacked by concentrated acids and bases, ketones, and propylene glycol. Water flow rate 65 mL/min/cm² at 250 mm Hg (10psi); air flow rate 8 Lpm/cm² at 520 mm Hg (10psi).

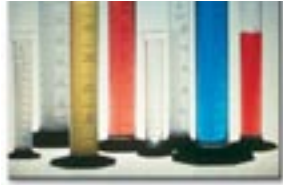


ORDER CODE	DESCRIPTION
4641-J22	Filter, 0.45 µm, 47 mm, sterilized, Bx 100

## CYLINDERS - FLASKS

### ■ CYLINDERS

Glass cylinders have pouring spout and permanent fused white graduations. Plastic cylinders meet ASTM Class B, E1272 standards and have excellent heat and chemical resistance.



PLASTIC ORDER CODE	VOLUME (ML)	GRADUATION INTERVALS (ML)	GLASS ORDER CODE
2-2076	10	0.2	0416
2-2077	25	0.5	0417
2-2078	50	1.0	0418
2-2079	100	1.0	0419
2-2080	250	2.0	—
2-2081	500	5.0	0994
2-2082	1,000	10.0	—

### ■ FILTER PAPER

All papers listed are sold 100 to a package.

ORDER CODE	DESCRIPTION	DIAMETER (CM)	SPEED
<b>Alhstrom</b>			
0463	No. 642-27, Qual.	11	Slow
0465	No. 642, Qual.	9	Medium
0463-S	No. 950-25, Qual.	11	Slow
<b>Whatman</b>			
0947	No. 2, Qual.	2.5	Medium
0471	No. 2, Qual.	9	Medium
2-2098	No. 42, Ashless, Quan.	9	Slow
2-2100	No. 42, Ashless, Quan.	12.5	Slow
1157	Glass Fiber	2.4	—

### ■ FILTER/SYRINGE ASSEMBLY

For on-site collection of filtrates or filtered material from natural or industrial waters. Consists of 60 mL plastic syringe, dual check-valve, Delrin® filter holder with Luer slip outlet and clear flexible PVC tubing, 3 ft. long x 3/16 in. i.d. Tubing attaches to check-valve outlet. Syringe is calibrated to 0 to 60 mL and 0 to 2 oz.

ORDER CODE	DESCRIPTION
1050	Complete filter/syringe assembly
0943	Syringe, 60 mL
1175	Tubing, 36 in.
1174	Check-valve
0598	Filter Holder
Code 0598 holder accepts the following filters (furnished in packages of 100, unless otherwise specified):	
0947	Paper, 2.5 cm
1157	Glass Fiber, 24 mm Membrane, 25 mm
1103	0.45 micron, pkg. 100
1103-6	0.45 micron, pkg. 6
1180	0.2 micron, pkg. 100

### ■ FLASKS

#### NALGE® ERLENMEYER FLASKS

Glass flasks have thick-walled body with tapered contour to minimize chipping. Approximate volumes are indicated. Plastic flasks are polycarbonate with polypropylene screw closures; use for preparation and storage of culture media and culturing techniques.

PLASTIC ORDER CODE	DESCRIPTION	GLASS ORDER CODE
2-2114	Flask, 25 mL	2-2109
2-2115	Flask, 50 mL	0438
2-2116	Flask, 125 mL	0431
2-2117	Flask, 250 mL	0433
2-2118	Flask, 500 mL	0435

## FLASKS - HYDROMETERS

### ■ FLASKS (Continued)

#### CORNING VOLUMETRIC FLASKS

Pyrex® Brand Class A. Heavy beaded, heavy tubing neck with snap cap. White block letters for easy readability.

ORDER CODE	DESCRIPTION
2-2127	Flask, Volumetric, 50 mL
2-2128	Flask, Volumetric, 100 mL
2-2129	Flask, Volumetric, 500 mL
2-2130	Flask, Volumetric, 1,000 mL



### ■ HOT PLATES

#### CORNING® HOT PLATE

Superb linear control for both heating and stirring. Minimum heat up time. Meets testing standards for electrical safety.



ORDER CODE	DESCRIPTION	TOP STYLE (IN)	TEMP RANGE	DIMENSION H X W X D (IN)
5983-C06	Ceramic Top Hot Plate, 120V, 50/60 Hz, 625W	5x7	40°-550°C	4.4x7.8x9.6

### ■ FLASKS, FILTERING

Heavy glass with serrated side tubulation for tubing attachment. 500 mL requires 5/16 in. i.d. tubing; 1,000 mL requires 3/8 in.

ORDER CODE	DESCRIPTION
2-2119	Flask, 500 mL
2-2120	Flask, 1,000 mL

### ■ HYDROMETERS

#### SPECIFIC GRAVITY 1 TO 2

For liquids heavier than water. Approximate total length 305 mm, approximate length of graduate scale 135 mm, excepting range 1.000 to 2.000, which has scale approximately 150 mm long, and is made without conventional enlarged bulb at bottom. Tolerance ±1 scale division. Require a cylinder 340x38 mm and approximately 250 mL of liquid.

ORDER CODE	DESCRIPTION
2-2150	Hydrometer, 1.000-1.200: 0.002 interval
2-2151	Hydrometer, 1.200-1.420: 0.002 interval
2-2152	Hydrometer, 1.400-1.620: 0.002 interval
2-2153	Hydrometer, 1.600-1.820: 0.005 interval
2-2155	Hydrometer, 1.000-2.000: 0.005 interval
2-2157	Hydrometer, 1.000-2.000: 0.01 interval

### ■ FUNNELS, PLASTIC

Reinforced rim. Ridges outside and inside permit air passage and improve filtering efficiency. Withstand continuous use at temperatures up to 130°C.

ORDER CODE	DESCRIPTION
2-2134	Funnel, 9 mL
2-2135	Funnel, 20 mL
0459	Funnel, 37 mL
2-2136	Funnel, 60mL
2-2137	Funnel, 95 mL
2-2138	Funnel, 225 mL

#### CORNING PYREX® BRAND HYDROMETER CYLINDER

Heavy wall construction. Large, hexagonal base, sealed to the cylinder body, increases stability.

ORDER CODE	DESCRIPTION
2-2149	Hydrometer Cylinder, 38 x 340 mm

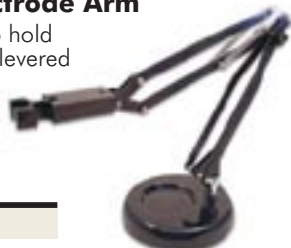


### PIPETS - STIRRERS & ACCESSORIES

#### ■ pH ELECTRODE ACCESSORIES

##### Thomas® Adjustable Electrode Arm

Provides stability and flexibility to hold electrodes in any position. Cantilevered stand. Large steel base. Ship weight: 3lb.



ORDER CODE	DESCRIPTION
4111-M10	Electrode Arm

#### ■ PIPETS

##### BEL-ART® SAFETY BULB

Tapered silicone seal provides airtight fit in all pipet sizes. 2-2164 comes complete with an elastic cord for dedicating pipettor to a specific reagent bottle.



ORDER CODE	DESCRIPTION
2-2164	Safety Bulb
0395	Safety Bulb

#### ■ PIPETS (continued)

##### CORNING TRANSFER PIPETS

Pyrex® Class A. Tapered at both ends. Calibrated to deliver rated volume at 20°C.

ORDER CODE	DESCRIPTION
2-2170	Transfer Pipet, 1 mL
2-2174	Transfer Pipet, 5 mL
2-2175	Transfer Pipet, 10 mL
2-2177	Transfer Pipet, 25 mL
2-2179	Transfer Pipet, 100 mL



#### ■ SAMPLE VIALS

##### THOMAS® 40 ML EPA VIALS

The unique TomCap septum/liner is molded and not punched like other vial liners. This liner locks into the hole in the cap. The molded septa allows for thinner outer lip, assisting in light leakproof seals, eliminating leaks and air bubbles. The 0.005 in. PTFE layer is fused to 0.120 in. silicone layer for EPA compliance.



ORDER CODE	DESCRIPTION
9711-F07	Sample Vial, Precleaned, Amber w/cap, Pk 72
2-2264-72	Sample Vial, Precleaned, Clear w/cap, Pk 72

#### ■ SETTLOMETER

##### NALGE SETTLOMETER KIT

For use in wastewater treatment plants to perform the settlometer test to determine the settled sludge volume (SSV). See APHA Standard Methods for the Examination of Water and Wastewater, 20th Ed. (1998), Method 2710-C, p 2-80. Kit includes 2-liter, transparent polycarbonate jar, polycarbonate cover, polypropylene stirring paddle, ten 15 mL polycarbonate conical bottom centrifuge tubes and sample data sheet. Chemically resistant to sludge samples in range pH 3 to 10.



ORDER CODE	DESCRIPTION
9857-U25	Settlometer Kit

#### ■ STIRRERS & ACCESSORIES

##### SQUID MAGNETIC STIRRERS

These colorful stirrers are electronically controlled from 0 to 1500 RPM. The design is under glass so it won't wear off. Strong magnetic field can stir up to 800 mL. Glass top and Hytre® plastic base offer superior chemical and flame resistance. 5 in. diameter top, 100/120 VAC.



ORDER CODE	DESCRIPTION
8613-N62	Bigwave
8613-N53	Sunset
8613-N59	Zip
8613-N50	Harry's Notes
8613-N56	Formula

### STIRRERS & ACCESSORIES - THERMOMETERS

#### ■ STIRRERS & ACCESSORIES (Continued)

##### STIRRING BARS:

Octagon-shaped with rounded ends and molded pivot ring.



##### MAGNETIC STIRRING BAR RETRIEVER:

For insertion or removal of magnetic stirring bars. Overall length 11½ in.

ORDER CODE	DESCRIPTION
2-2185	Stirring Bar, 5/16 x 1 in.
2-2186	Stirring Bar, 5/16 x 1 5/8 in.
2-2187	Magnetic Pick Up Rod

#### ■ STOPCOCK GREASE

##### LUBRISEAL® STOPCOCK GREASE

For lubricating ground glass joints, glass, and metal stopcocks and valves, and for sealing desiccators, anaerobic culture jars, and similar utensils. Prevents the freezing of stopcocks, ground joints, etc. Low vapor pressure, and resists attack by acidic and alkaline solutions. Smooth textured, stable, free from vegetable or animal oil or silicone, and practically insoluble in water.



ORDER CODE	DESCRIPTION
2-2158-H	LubriSeal, 75g tube

#### ■ THERMOMETERS

##### DUAL SCALE

Mercury filled thermometers with white enameled back and dark engraving are easy to read.



ORDER CODE	CELSIUS SCALE	FAHRENHEIT SCALE
9284-C25	-20° to +110° x 1°	0° to +230° x 2°
9284-C30	-20° to +150° x 1°	0° to +300° x 2°
9284-C35	-10° to +260° x 1°	0° to +500° x 2°

##### THOMAS® SWITCHABLE THERMOMETER, °C/°F

8 in. thermometer with a wide range and digital display. Fits into cuvettes, test tubes, flasks, and beakers. Stainless steel probe is resistant to acids, bases, solvents, and most laboratory chemicals. Dual range of -58° to 302°F or -50° to 150°C. Digital resolution of 0.1° from -20° to 200°. Accuracy is ±1°C between -20° to 100°C. Readings updated every second. Operates continuously for over a year on a single replaceable silver-oxide battery (included). Supplied with protective case that can be used as a holder.



ORDER CODE	DESCRIPTION
9329-H01	Switchable Thermometer with Digital Display