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ANSI/NCSL Z540-2-1997
NIST Technical Note 1297 ISO 9000:2000

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Customer Approved

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Cole-Parmer® Single-Channel Electronic Pipettors

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GUARANTEED GIS IN STOCK

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*GIS items in this catalog are guaranteed in stock through 12/31/17 when you use the two-letter alpha code prefix with the product catalog number. Program valid only in the US and Canada. Cole-Parmer reserves the right to extend or remove GIS items at any time.

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WHIRL-PAK® Sterile Sampling Bags, LDPE

Keep samples safe—easy-seal bags hold solids and liquids

– Quick and easy sealing—flip bag around wire/tape and bend to seal

– No more poking—puncture-proof tabs keep wire intact even after extensive use

Sampling Bags are available with or without a white labeling area.

"Speci-Sponge" Bags are designed to sample surfaces and equipment for *Listeria*, *Salmonella*, and other food-borne pathogens; contain a 1½" x 3" (3.8 x 7.6 cm) sponge that is free of bactericides and noninhibitory; with white labeling area.

Sodium Thiosulfate Bags are EPA-compliant for potable water collection; contain a nontoxic, nonnutritive 10-mg active ingredient tablet of sodium thiosulfate to neutralize the chlorine at the point of collection; with white labeling area.

High-Temperature Bag is for hot fill samples with a temperature up to 215°F (102°C). The FDA-compliant film is a blend of low-density polyethylene and nylon that will hold liquids, solids, sauces, gravies, and other samples having a high temperature. Bag is self standing and does not need a rack or special holder to keep it upright, making sample collection safe and easy. With white labeling area. **Caution:** Do not put bag in boiling water.

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STERILE

Capacity oz (mL)	Size (W x L)	Thickness (mil)	Catalog number	Qty/pk	Price/pk
Sampling bags without white labeling area					
4 (118)	3" x 7¼" (7.6 x 18.4 cm)	2.25	MT-06499-10	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	MT-06499-20	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	MT-06499-30	500	
36 (1065)	5" x 15" (12.7 x 38.1 cm)	3.0	MT-06499-40	500	
42 (1242)	6" x 15" (15.2 x 38.1 cm)	3.0	MT-06499-50	500	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	3.0	MT-06499-54	500	
Standup sampling bags with white labeling area					
4 (118)	3" x 7¼" (7.6 x 18.4 cm)	2.5	MT-06499-16	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	3.0	MT-06499-21	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	MT-06499-31	500	
27 (798)	5" x 12" (12.7 x 30.5 cm)	3.0	MT-06499-32	250	
36 (1065)	5" x 15" (12.7 x 38.1 cm)	4.0	MT-06499-33	250	
42 (1242)	6" x 15" (15.2 x 38.1 cm)	4.0	MT-06499-34	250	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	4.0	MT-06499-35	250	
Sampling bags with white labeling area					
2 (58)	3" x 5" (7.6 x 12.7 cm)	2.5	MT-06499-60	500	
4 (118)	3" x 7¼" (7.6 x 18.4 cm)	2.25	MT-06499-70	500	
7 (207)	3¾" x 7" (9.5 x 17.8 cm)	2.5	MT-06499-72	500	
13 (384)	5¼" x 7½" (13.3 x 19.1 cm)	2.5	MT-06499-74	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	MT-06499-80	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	MT-06499-85	500	
27 (798)	5" x 12" (12.7 x 30.5 cm)	3.0	MT-06499-87	500	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	3.0	MT-06499-89	500	
92 (2721)	10" x 15" (25.4 x 38.1 cm)	4.0	MT-06499-94	250	
123 (3637)	10" x 20" (25.4 x 50.8 cm)	4.0	MT-06499-98	250	
184 (5441)	15" x 20" (38.1 x 50.8 cm)	4.0	MT-06499-99	100	
"Speci-Sponge" bags for surface sampling with sponge					
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	MT-06499-13	100	
55 (1627)	7½" x 11¾" (19.1 x 29.8 cm)	4.0	MT-06499-14	100	
18 (532)	4" x 9" (10.2 x 22.9 cm)	2.5	MT-06499-52†	100	
Sodium thiosulfate bags for water sampling with tablet					
3⅜ (100)	3" x 7¼" (7.6 x 18.4 cm)	2.5	MT-06499-90	100	
10⅛ (300)	4½" x 9" (11.4 x 22.9 cm)	2.5	MT-06499-95	100	
High-temperature bag					
18 (532)	4½" x 9" (11.4 x 22.9 cm)	3.0	MT-06498-16	500	

†Model 06499-52 has a sterile glove.

Standup bags stay upright

Water scoop holds bag open for easy filling

Rack

Accessories

MT-66203-10 **Carrying rack** for 2- and 4-oz bags. Double-grid design keeps bags upright and has 15 compartments. Vinyl coated, autoclavable

MT-66203-00 **Carrying rack** for 18-oz bags. Double-grid design keeps bags upright. Rack has 20 compartments. Vinyl coated, autoclavable

MT-06498-12 **Water scoop,** 18" (45.7 cm) L coated handle. Two alligator clips hold a variety of bag sizes

Cole-Parmer® Symmetry® PT Toploading Balances

Large weighing surface allows placement of a variety of samples

- Weighing modes include parts counting, percent weighing, checkweighing, animal/dynamic weighing and density determination
- USB and RS-232 interfaces offer connection to a computer or printer for GLP/GMP-compliant outputs
- Sealed keypad, splashproof design, and removable stainless steel weighing pan
- An oversized backlit LCD provides clear visibility of weighing results
- Digital filters compensate for vibration, drafts or temperature changes
- Fast stabilization and response time

Symmetry®

What's included: AC power adapter. The 210-g and 410-g models also include a draft shield.

Specifications

Calibration: Internal or external with calibration mass

Weighing units: g, ct, oz, dwt, mg, grains, oz, ozt, dwt, custom

Power: 115/220 VAC power adapter and built-in rechargeable battery pack (battery function not available on models 10001-06, -07, -13)

Capacity	Readability	Repeatability	Linearity	Pan size	Catalog number	Price
Internal calibration						
210 g	0.001 g	±0.002 g	±0.002 g	5⅛" x 5⅛" (13 x 13 cm)	MT-10001-10	
410 g	0.001 g	±0.002 g	±0.002 g		MT-10001-11	
2200 g	0.01 g	±0.02 g	±0.02 g	7½" x 6¼" (19 x 16 cm)	MT-10001-12	
4200 g	0.01 g	±0.02 g	±0.02 g		MT-10001-13	
External calibration						
210 g	0.001 g	±0.002 g	±0.002 g	5⅛" x 5⅛" (13 x 13 cm)	MT-10001-02	
410 g	0.001 g	±0.002 g	±0.002 g		MT-10001-03	
2200 g	0.01 g	±0.02 g	±0.02 g	7½" x 6¼" (19 x 16 cm)	MT-10001-04	
4200 g	0.01 g	±0.02 g	±0.02 g		MT-10001-05	
5000 g	0.1 g	±0.2 g	±0.4 g		MT-10001-06	
15000 g	0.1 g	±0.2 g	±0.4 g		MT-10001-07	

Accessories

MT-11120-78 Compact thermal printer

MT-10000-47 Kensington™ type security lock and cable

MT-17101-52 NIST-traceable calibration with data for balances

Cole-Parmer® Symmetry® PA Analytical Balances

Discover Symmetry—affordable, advanced, accurate

- Three-door glass draft shield provides easy access inside the weighing chamber
- Oversized backlit LCD provides clear visibility of weighing results
- Sealed keypad, splashproof design, and removable stainless steel weighing pan offer safeguards in a messy lab environment
- Weighing modes include parts counting, percent weighing and checkweighing
- USB and RS-232 interfaces offer connection to a computer or printer for GLP/GMP-compliant output
- Digital filters compensate for vibration, drafts or temperature changes
- Selectable multi-language display and output
- Fast stabilization and response time

Symmetry®

What's included: AC power adapter and draft shield.

Specifications

Calibration: Internal or external with calibration mass

Weighing units: g, ct, oz, dwt, mg, grains, oz, ozt, dwt, custom

Power: 115/220 VAC power adapter

Capacity	Readability	Repeatability	Linearity	Pan size	Catalog number	Price
Internal calibration						
120 g	0.0001 g	±0.0002 g	±0.0002 g	3½" dia (9 cm)	MT-10001-08	
220 g	0.0001 g	±0.0002 g	±0.0002 g		MT-10001-09	
External calibration						
120 g	0.0001 g	±0.0002 g	±0.0002 g	3½" dia (9 cm)	MT-10001-00	
220 g	0.0001 g	±0.0002 g	±0.0002 g		MT-10001-01	

Accessories

MT-11120-78 Compact thermal printer

MT-10000-47 Kensington™ type security lock and cable

MT-17101-52 NIST-traceable calibration with data for balances

NEW

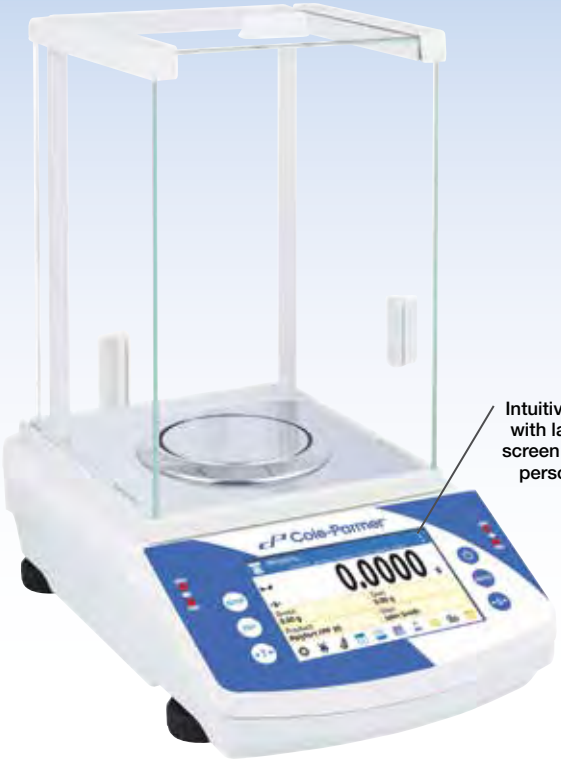
Better weighing with just a touch

Cole-Parmer® Symmetry® Touch-Screen Toploading and Analytical Balances

- 5" color capacitive touch-screen display provides clear visibility to weighing results and menu options
- Go touchless—IR proximity sensors offer programmable touch-free control
- Customize the menu screen to match your everyday needs
- Advanced PT-T and PA-T models add a diagnostic GLP function, internal calibration, and Wi-Fi interface
- Adjust filter settings depending on the working environment
- Statistics working mode quickly analyzes data from series of measurements
- USB, RS-232, Ethernet, and Wi-Fi† interfaces offer secure connection with peripheral devices
- Industry-leading 5 year unlimited warranty

Symmetry®

Two programmable IR proximity sensors perform common functions—touch-free



Intuitive operation with large touch-screen display and personal setup

Specifications

Calibration:
BT-T and BA-T Balances: external with calibration mass
PT-T and PA-T Balances: internal and external with calibration mass

Weighing units: g, mg, kg, ct, lb, oz, ozt, dwt, tlh, tls, tlt, tlc, mom, gr, N, ti, baht, tola, msg, custom

Output:
BT-T and BA-T Balances: RS-232 (2), USB A, USB B, Ethernet
PT-T and PA-T Balances: RS-232 (2), USB (2), Ethernet, Wi-Fi

Power: 100 to 240 VAC (universal power adapter included)

BT-T and BA-T Balances

Capacity	Readability	Repeatability	Linearity	Pan size	Cat. no.	Price
BT-T toploading balances						
200 g	0.001 g	±0.001 g	±0.002 g	5 1/16" x 5 1/16" (12.8 x 12.8 cm)	MT-10100-67	
400 g					MT-10100-68	
500 g					MT-10100-69	
800 g	0.01 g	±0.01 g	±0.02 g	7 11/16" x 7 11/16" (19.5 x 19.5 cm)	MT-10100-70	
2000 g					MT-10100-71	
4000 g					MT-10100-72	
6000 g	0.1 g	±0.1 g	±0.3 g	7 11/16" x 7 11/16" (19.5 x 19.5 cm)	MT-10100-73	
10,000 g		±0.08 g			MT-10100-74	
20,000 g		±0.1 g			MT-10100-75	
BA-T analytical balances						
60 g	0.0001 g	±0.0001 g	±0.0002 g	3 15/16" (10 cm)	MT-10100-61	
120 g					MT-10100-63	
210 g					MT-10100-65	

Advanced PT-T and PA-T Balances

Capacity	Readability	Repeatability	Linearity	Pan size	Cat. no.	Price
PT-T toploading balances						
350 g	0.001 g	±0.001 g	±0.002 g	5" x 5" (12.8 x 12.8 cm)	MT-10100-33	
750 g	0.001 g	±0.001 g	±0.002 g		MT-10100-34	
800 g	0.01 g	±0.01 g	±0.02 g	7 11/16" x 7 11/16" (19.5 x 19.5 cm)	MT-10100-35	
2000 g	0.01 g	±0.01 g	±0.02 g		MT-10100-36	
4500 g	0.01 g	±0.01 g	±0.02 g	7 11/16" x 7 11/16" (19.5 x 19.5 cm)	MT-10100-37	
6000 g	0.01 g	±0.015 g	±0.03 g		MT-10100-38	
PA-T analytical balances						
82/220 g	0.00001/ 0.0001 g	±0.0001 g	±0.0002 g	3½" (9 cm)	MT-10100-31	
120 g	0.0001 g	±0.0001 g	±0.0002 g	3 15/16" (10 cm)	MT-10100-30	
220 g	0.0001 g	±0.0001 g	±0.0002 g	3 15/16" (10 cm)	MT-10100-32	

†Wi-Fi interface is included with PT-T and PA-T models only.

Cole-Parmer® Symmetry® UMA-T and MA-T Touch-Screen Ultra-Micro and Micro Balances

Quick, accurate adjustments via automatic leveling system

- Motorized draft-shield doors offer easy access to weighing pan
- Color resistive touch-screen display lets you customize parameters
- IR proximity touchless sensors offer programmable touch-free control
- Automatic internal adjustment system ensures accurate weighing at all times
- Autotest GLP function quickly diagnoses weighing errors
- Import and export records from 20 different databases via USB flash drive
- Statistics working mode quickly analyzes data from series of measurements
- USB, RS-232, Ethernet, and Wi-Fi interfaces offer secure connection with peripheral devices

Specifications

Calibration: internal and external with calibration mass
Weighing units: g, mg, kg, ct, lb, oz, ozt, dwt, tlh, tls, tlt, mom, gr, N, ti
Power: 100 to 240 VAC (universal power adapter included)

Type	Capacity	Readability	Repeatability	Linearity	Pan size (dia)	Catalog number	Price
Ultra-micro	2.1 g	0.1 µg	±0.1 µg	±1.5 µg	5/8" (1.6 cm)	MT-10100-23	
Micro	2.1 g	1 µg	±1 µg	±3 µg	5/8" (1.6 cm)	MT-10100-24	
Micro	5.1 g	1 µg	±1 µg	±5 µg	1 1/32" (2.6 cm)	MT-10100-25	
Micro for filters	5.1 g	1 µg	±1 µg	±5 µg	3 15/16" (10 cm)	MT-10100-26	
Micro	11 g	1 µg	±1 µg	±6 µg	1 1/32" (2.6 cm)	MT-10100-27	
Micro	21 g	1 µg	±1 µg	±7 µg	1 1/32" (2.6 cm)	MT-10100-28	
Micro for pipettes	21 g	1 µg	±1 µg	±7 µg	1 1/32" (2.6 cm)	MT-10100-29	

MT-10100-83 **Cable,** RS-232 to USB
MT-10100-84 **Cable,** RS-232 to printer
MT-10100-85 **Printer**
MT-10100-86 **Printer paper**
MT-10100-94 **Adapter for pipette calibration** using micro balance 10100-28
MT-10100-95 **Optional wireless keypad,** battery operated
MT-10100-96 **Pipette calibration PC software** supports calibration of fixed- or adjustable-volume pipettes
MT-10100-97 **Ambient conditions module** for measuring temperature, humidity, and atmospheric pressure
MT-17101-52 **NIST-traceable calibration** with data for balances

Cole-Parmer® Symmetry® MB-T Touch-Screen Moisture Balances

Measure a variety of substances with four drying modes

- Large, color capacitive touch screen provides clear visibility of weighing results
- IR proximity sensors offer programmable touch-free balance control
- Autotest GLP function quickly diagnoses weighing errors
- Weighing and drying working modes offer specific functions to meet individual needs
- Import and export records from 8 different databases via USB flash drive
- Filter settings can be easily adjusted depending on the working environment
- Menu screen can be customized to match your exclusive requirements
- USB, RS-232, Ethernet, and Wi-Fi interfaces offer secure connection with peripheral devices

Specifications

Calibration: external with calibration mass
Weighing units: g, mg, kg, ct, lb, oz, ozt, dwt, tlh, tls, tlt, tlc, mom, gr, N, ti, baht, tola, msg, custom
Power: 110 VAC, 60 Hz

Capacity	Readability	Repeatability	Heater type	Max temperature	Pan size (dia)	Catalog number	Price
50 g	0.0001 g / 0.0001%	0.05% (sample weight of 2 g), 0.01% (sample weight of 10 g)	Halogen	160°C	3½" (9 cm)	MT-10100-42	
50 g	0.001 g / 0.001%					MT-10100-43	
210 g	0.001 g / 0.001%					MT-10100-44	

MT-10100-83 **Cable,** RS-232 to USB
MT-10100-84 **Cable,** RS-232 to printer
MT-10100-85 **Printer**
MT-10100-86 **Printer paper**
MT-10100-98 **Disposable aluminum weigh pans.** Pack of 50
MT-10100-99 **Water vapor permeation determination kit.** Shortens permeability test time from 72 hours to 50 minutes
MT-17101-52 **NIST-traceable calibration** with data for balances

METTLER TOLEDO NewClassic MS-TS Toploading and Analytical Balances

Get consistent results, faster

- Advanced MonoBloc™ weighing technology provides fast and accurate results
- Operate the extra-large, color touch screen while wearing cotton, silicone, or rubber gloves
- Unbalanced alert and onscreen help keep you level
- Stay within range with MinWeigh function—weight is displayed in red until the sample weight is above preprogrammed minimum
- Restrict modification of balance settings with optional pass codes
- ISOLog function maintains a record of all weighing relevant changes to the balance's settings
- Connect directly to a PC or printer via RS-232 or USB slot allowing convenient transfer of data

High-capacity toploading balances above 12,200 grams have a high-contrast display (HCD) with tactile buttons. These balances do not include the touch screen, LevelControl, MinWeigh, pass codes, or ISOLog features.

Capacity	Readability	Repeatability	Linearity	Pan size (L x W)	120 VAC	
					Catalog number	Price
NewClassic MS-TS precision toploading balances						
320 g	0.001 g	±0.001 g	±0.002 g	5" x 5" (12.7 x 12.7 cm)	MT-11335-47	
420 g	0.001 g	±0.001 g	±0.002 g		MT-11335-48	
620 g	0.001 g	±0.001 g	±0.002 g		MT-11335-49	
1020 g	0.001 g	±0.001 g	±0.002 g		MT-11335-50	
1620 g	0.01 g	±0.01 g	±0.02 g	6⅝" x 7⅞" (17 x 20 cm)	MT-11335-51	
3200 g	0.01 g	±0.01 g	±0.02 g		MT-11335-52	
4200 g	0.01 g	±0.01 g	±0.02 g		MT-11335-53	
820/4200 g	0.01/0.1g	±0.01/0.06 g	±0.8 g		MT-11335-54	
6200 g	0.01 g	±0.01 g	±0.02 g		MT-11335-55	
1220/6200 g	0.01/0.1g	±0.01/0.06 g	±0.8 g		MT-11335-56	
12,200 g	0.01 g	±0.01 g	±0.025 g		MT-11334-58	
8200 g	0.1 g	±0.1 g	±0.2 g	7½" x 8⅞" (19 x 22.6 cm)	MT-11335-57	
12,200 g	0.1 g	±0.1 g	±0.2 g	13⅞" x 9⅝" (35.1 x 24.5 cm)	MT-11334-71	
16,200 g	0.1 g	±0.1 g	±0.2 g		MT-11334-72	
32,200 g	0.1 g	±0.1 g	±0.3 g		MT-11334-73	
32,200 g	1 g	±0.5 g	±1 g		MT-11334-74	
NewClassic MS-TS analytical balances						
120 g 220 g 320 g	0.1 mg	±0.1 mg	±0.2 mg	3½" (9 cm) dia	MT-11335-44 MT-11335-45 MT-11335-46	

METTLER TOLEDO XS Analytical Balances

Save time and money—fully automatic calibration

- As temperatures change and influence the accuracy of the weighing result, FACT adjusts the balance automatically
- SmartGrid® weighing pan is suspended into the weighing chamber to minimize air turbulence
- Three different display settings for user-friendly weighing and fast access to the menu via touch-screen operation with backlit graphics display
- Connect to peripheral devices via RS-232, Ethernet, or *Bluetooth*® wireless technology
- Determine densities, formula weigh and totalize, and display statistics

Specifications

Calibration: Internal, Fully Automatic Calibration Technology (FACT) **Power:** 115 VAC, 50/60 Hz

Weighing units: g, mg, kg, oz, lb, ozt, ct, dwt, gn, tael, tical, momme, baht, mesghal

Capacity	Readability	Repeatability	Linearity	Pan size (L x W)	Catalog number	Price
61 g	0.1 mg	±0.1 mg	±0.2 mg	3" x 3" (7.6 x 7.6 cm)	MT-11333-00	
320 g	0.1 mg	±0.12 mg	±0.2 mg		MT-11333-01	
120 g	0.1 mg	±0.1 mg	±0.2 mg		MT-11333-02	
181/220 g	0.01/0.1 mg	±0.02 mg	±0.2 mg		MT-11333-03	
41/120 g	0.01/0.1 mg	±0.1 mg	±0.2 mg		MT-11333-08	
81/220 g	0.1/1 mg	±0.7 mg	±1 mg		MT-11333-04	
81/220 g	0.01/0.1 mg	±0.1 mg	±0.02 mg		MT-11333-10	
120 g	0.01 mg	±0.02 mg	±0.2 mg		MT-11333-05	
220 g	0.1 mg	±0.1 mg	±0.2 mg		MT-11333-06	

MT-11333-91 **RS-232 interface** MT-11336-75 **Bluetooth interface** for use with XP/XS

MT-11333-95 **ErgoClip® accessory kit** includes 10 disposable aluminum pans, 50 weighing boats, weigh boat attachment, round-bottom flask holder, and test tube holder

MT-17101-52 **NIST-traceable calibration** for balances

Sartorius Entris® Toploading and Analytical Balances

Go beyond basic—get affordability, reliability, and quality

- Backlit high-contrast display delivers excellent viewability in any lighting condition
- Below balance, counting, percent, animal weighing, and density determination functions
- Document critical weights in GLP mode via RS-232 communication with PC or printer

Specifications

Calibration: external, with calibration mass
Weighing units: g, kg, ct, lb, oz, oz t, taels, grains, mg, parts/lb, mommes, Austrian carat, tola, baht, mesghal, tons, lb:oz, N
Output: RS-232
Power: 100 to 240 VAC (universal); optional rechargeable battery

Capacity	Readability	Repeatability	Linearity	Pan size	Catalog number	Price
Toploading balances						
150 g	0.001 g	±0.001 g	±0.002 g	4½" dia (11.5 cm)	MT-11955-23	
320 g					MT-11955-24	
620 g					MT-11955-26	
820 g	0.01 g	±0.01 g	±0.03 g	6" dia (15 cm)	MT-11955-27	
2200 g				7" x 7" (18 x 18 cm)	MT-11955-28	
3200 g	0.01 g	±0.01 g	±0.03 g		MT-11955-29	
4200 g					MT-11955-31	
5200 g	0.1 g	±0.1 g	±0.3 g		MT-11955-34	
Analytical balances						
60 g	0.1 mg	±0.1 mg	±0.2 mg	3½" dia (8.9 cm)	MT-11955-19	
120 g					MT-11955-21	
220 g					MT-11955-22	

Accessories

MT-11800-65 **Standard compact printer**
MT-11800-75 **External rechargeable battery kit**
MT-11800-98 **Density weighing kit**
MT-11800-97 **USB to RS-232 cable**
MT-11200-50 **Kensington™-type security lock and cable**
MT-17101-52 **NIST-traceable calibration** with data for balances

Sartorius Practum® Toploading and Analytical Balances

Start weighing right—everything you need for standard applications

- Touch screen with intuitive graphical interface walks user through standard applications
- Peak Hold function locks in highest reading
- Automatic data transfer to Excel® via USB port
- Mini USB interface port enables communication with a PC or printer
- Supervisor lock to prevent unintentional menu changes

Specifications

Calibration: external, with calibration mass
Weighing units: g, kg, ct, lb, oz, oz t, taels, grains, mg, parts/lb, mommes, Austrian carat, tola, baht, mesghal, tons, lb:oz, N
Output: mini-USB interface
Power: 100 to 240 VAC (universal); optional rechargeable battery

Capacity	Readability	Repeatability	Linearity	Pan size	Catalog number	Price
Toploading balances						
210 g	0.001 g	±0.001 g	±0.002 g	4¾" dia (11.4 cm)	MT-11800-91	
310 g					MT-11800-90	
510 g	0.001 g	±0.001 g	±0.002 g		MT-11955-13	
610 g	0.01 g	±0.01 g	±0.02 g	7" dia (17.8 cm)	MT-11800-94	
1100 g					MT-11800-93	
2100 g					MT-11800-92	
3100 g	0.01 g	±0.01 g	±0.03 g		MT-11955-15	
5100 g	0.1 g	±0.1 g	±0.2 g		MT-11800-95	
6100 g	0.1 g	±0.1 g	±0.3 g		MT-11955-17	
Analytical balances						
64 g	0.1 mg	±0.1 mg	±0.2 mg	3½" dia (8 cm)	MT-11955-12	
120 g					MT-11800-89	
220 g					MT-11800-88	

Accessories

MT-11800-65 **Standard compact printer**
MT-11800-75 **External rechargeable battery kit**
MT-11800-98 **Density weighing kit**
MT-11800-97 **USB to RS-232 cable**
MT-11200-50 **Kensington™-type security lock and cable**
MT-17101-52 **NIST-traceable calibration** with data for balances

Cole-Parmer® Polystat® Cooling/Heating Circulating Baths

Get excellent cooling across range of temperatures

- Two-speed pump with up to 21 L/min flow
- Maximize bench space with compact size
- Protect samples and bath with high-temperature and low-level cut offs

Standard Digital Controller Baths feature five programmable set points, adjustable high-temperature cutoff, user-settable Min/Max temperature limits, and an adjustable pump nozzle. **Advanced Digital Controller Baths** offer all the features of the Standard Digital models (except adjustable pump nozzle) plus a two-stage (force/suction) pump for greater circulation capacity and a USB port.

What's included: lid, 6-ft (1.8-m) power cord with plug, M16 x 1 pump connection and 8- and 12-mm hose barb fittings with clamps for external circulation.

Specifications

Wetted materials: stainless steel, polymers **Low-level cutoff:** yes

polystat® ISO9001:2008 CERTIFIED SUPPLIER

Bath capacity	Temperature range	Stability	Cooling capacity at 20°C	Pump type	Max pump pressure psi (mbar)	Max pump flow (L/min)	Working area (W x L x D)	Power (VAC, Hz)	Catalog number	Price
Standard digital controller baths										
6.5 L	–20 to 100°C	±0.05°C	250 W	Force	4.4 (310)	17	5 5/16" x 4 13/16" x 5 7/8" (13.5 x 12.2 x 15 cm)	115, 60	MT-12122-02	
								230, 50	MT-12122-04	
8.6 L	–28 to 100°C	±0.05°C	500 W	Force	4.4 (310)	17	6 13/16" x 7 3/16" x 5 7/8" (17.3 x 18.3 x 15 cm)	115, 60	MT-12122-32	
								230, 50	MT-12122-34	
8.6 L	–28 to 150°C	±0.05°C	500 W	Force	4.4 (310)	17	6 13/16" x 7 3/16" x 5 7/8" (17.3 x 18.3 x 15 cm)	115, 60	MT-12122-36	
								230, 50	MT-12122-38	
Advanced digital controller baths										
6.5 L	–20 to 100°C	±0.025°C	250 W	Force/ suction	11.7 (750)	21	5 5/16" x 4 13/16" x 5 7/8" (13.5 x 12.2 x 15 cm)	115, 60	MT-12122-12	
								230, 50	MT-12122-14	
6.5 L	–20 to 100°C	±0.025°C	250 W	Force/ suction	11.7 (750)	21	5 5/16" x 4 13/16" x 5 7/8" (13.5 x 12.2 x 15 cm)	115, 60	MT-12122-26	
								230, 50	MT-12122-28	
8.6 L	–28 to 200°C	±0.025°C	500 W	Force/ suction	11.7 (750)	21	6 13/16" x 7 3/16" x 5 7/8" (17.3 x 18.3 x 15 cm)	115, 60	MT-12122-42	
								230, 50	MT-12122-44	
8.6 L	–35 to 200°C	±0.025°C	800 W	Force/ suction	11.7 (750)	21	6 13/16" x 7 3/16" x 5 7/8" (17.3 x 18.3 x 15 cm)	115, 60†	MT-12122-56	
								230, 50†	MT-12122-58	

†Requires 20 amp current.

Bath Fluids

Get more out of your bath!

Use these bath fluids to maintain desired bath temperatures. Refer to the table below to select the appropriate bath fluid for your application. For operator safety, set the overtemperature cutoff of your bath/circulator below the flash point of the bath fluid you use.

Fluid type	Silicone 210	Dynalene® HK-50	Silicone 200 20 (hot)	Silicone 710 (hot)
Catalog number	MT-01294-60	MT-01297-00	MT-01294-40	MT-01294-00
Specific gravity	0.98	0.85	0.95	1.11
Temperature range	–65 to 280°C	–50 to 58°C	10 to 149°C	150 to 250°C
Freezing point	—	–60°C	–84°C	–22°C
Flash point	288°C	65°C	246°C	302°C
Viscosity	98 cp at 26°C	2.35 cp at 25°C	18.98 cp at 25°C	33 cp at 99°C
Quantity	1 gal. (3.8 L)	1 gal. (3.8 L)	1 gal. (3.8 L)	1 gal. (3.8 L)
Price				

Note: Do not use automotive antifreeze with circulating baths—additives can be harmful to the circulating pump. Silicone fluids are not compatible with silicone tubing.

Cole-Parmer® StableTemp® Digital Utility Water Baths

Get digital accuracy at an analog price

- Recall settings at the touch of a button
- Know when process is complete with built-in timer

Dual thermostat baths provide ±0.1°C precision and overtemperature safety feature prevents overheating. Seamless tank eliminates rusting and is easy to clean.

StableTemp

ISO9001:2008 CERTIFIED SUPPLIER

Specifications

Temperature range: 5°C above ambient to 100°C
Temperature uniformity: ±0.2°C
Temperature stability: ±0.1°C
Wetted materials: 304 SS
High-temperature cutoff: yes

Bath capacity	Opening (L x W)	Working depth	120 VAC, 60 Hz		240 VAC, 50 Hz	
			Cat. no.	Price	Cat. no.	Price
2 L	3⅞" x 4⅝"	5½"	MT-14576-00		MT-14576-02	
5 L	5" x 10 13/16"	5½"	MT-14576-04		MT-14576-06	
10 L	10⅝" x 11⅝"	5½"	MT-14576-08		MT-14576-10	
20 L	9½" x 17½"	5"	MT-14576-12		MT-14576-14	
28 L	9½" x 17½"	7"	MT-14576-16		MT-14576-18	

Cole-Parmer® Tri-Corner Beakers, PP

Easy pouring from three sides

- Easily mix on stirrer—flat bottom keeps stir bars centered
- Accurate to ±5%; molded graduations
- Withstand temperatures to 250°F (121°C)
- Autoclavable

Cole-Parmer®

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Cat. no.	Qty/pk	Price/pk
50 (1.5)	10	MT-06020-01	100	
100 (3.5)	10	MT-06020-03		
250 (8)	20	MT-06020-05		
400 (13)	40	MT-06020-07	100	
800 (26)	50	MT-06020-09		
1000 (32)	50	MT-06020-11		
Five of each above	—	MT-06010-07	30	

Four-Spout Beakers, PS

Easily pour in any direction

- Four-way pour spouts allow you to pour from any angle
- Withstand temperatures to 180°F (82°C)

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
Beakers				
5 (0.17)	—	MT-06005-50	1000	
10 (0.3)	—	MT-06005-55	1000	
20 (0.6)	—	MT-06005-60	500	
50 (1.6)	—	MT-06005-65	500	
Graduated beakers				
150 (5)	30	MT-06005-70	100	
250 (8)	30	MT-06005-75	100	

Large-Capacity Beakers, PP

NEW

No need to mix multiple smaller volumes

- Easily mix up to 10 liters in one vessel
- Easy-to-read black graduations for approximate volume
- Save space with tapered design for easy stacking
- Withstand temperatures to 250°F (121°C); autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
Polypropylene beakers, no handle				
5000 (160)	500	MT-61000-51	2	
10,000 (320)	1000	MT-61000-53	1	
Polypropylene beakers, with handle				
5000 (160)	500	MT-61000-55	2	
10,000 (320)	1000	MT-61000-57	1	

Stackable Beakers, PP

Won't stick together

- Stacking ribs prevent sticking for easier grabbing
- Withstand temperatures from 32 to 250°F (0 to 121°C)
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity cc (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
120 (4)	10	MT-06006-01	25	
500 (16)	50	MT-06006-03	25	
120 (4)	10	MT-06006-07	1000	
500 (16)	50	MT-06006-09	500	

Bench Protectors

Don't ruin your surfaces

- Contain spills while protecting your bench

Size (W x L)	Pack	Catalog number	Price
19.3" x 164 ft (49 cm x 50 m)	1 roll	MT-06805-00	
19.3" x 24" (49 cm x 61 cm)	50 sheets	MT-06806-00	

Scienceware® High-Capacity Beakers, PP

Easy pouring of large samples

- Easy dispensing with flared rim and pouring spout
- Withstand temperatures to 250°F (121°C)
- Autoclavable

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
5000 (160)	100	MT-06147-00	1	
10,000 (320)	200	MT-06147-10		

Find even more online!
Go to ColeParmer.ca to see full product details.

Disposable Griffin Low-Form Beakers, PP

Molded-in graduations won't wear off

- No need to convert volumes—graduated in mL and oz
- Won't stick together—stacking rib for easier separation
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
15 (0.5)	5	MT-06006-12	100	
15 (0.5)	5	MT-06006-15	1000	
30 (1)	5	MT-06006-22	100	
30 (1)	5	MT-06006-25	1000	
50 (1.7)	5	MT-06006-32	100	
50 (1.7)	5	MT-06006-35	1000	
100 (3.5)	5	MT-06006-42	100	
100 (3.5)	5	MT-06006-45	1000	
150 (5)	5	MT-06006-52	100	
150 (5)	5	MT-06006-55	1000	
250 (8)	10	MT-06006-63	50	
250 (8)	10	MT-06006-65	500	
400 (13)	25	MT-06006-72	50	
400 (13)	25	MT-06006-75	500	
600 (20)	25	MT-06006-83	25	
600 (20)	25	MT-06006-85	500	

Cole-Parmer® Griffin Graduated Beakers, PP

No more difficult readings

- Easy-to-read blue graduations
- Withstand temperatures to 275°F (135°C)
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Cole-Parmer®

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
50 (1.7)	10	MT-06100-62	12	
100 (3.5)	20	MT-06100-64	12	
250 (8)	50	MT-06100-66	6	
400 (13)	50	MT-06100-68	6	
600 (20)	100	MT-06100-70	4	
1000 (34)	100	MT-06100-72	3	
2000 (68)	200	MT-06100-74	1	

Cole-Parmer® Broad-Spout Beakers, PTFE

Stand up to the harshest chemicals

- Pour easily with broad spout
- Heatable beakers can be used on hot plates to 518°F (270°C)
- Autoclavable

Cole-Parmer®

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Beaker			Optional cover		
	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk
Heatable beakers with PTFE-carbon base, for use on hot plates						
100 (3)	MT-06300-02	1		MT-06300-87	1	
250 (8)	MT-06300-04	1		MT-06300-91	1	
400 (13)	MT-06300-06	1		MT-06300-93	1	
Beakers						
1 (0.03)	MT-06300-62	2		MT-06300-79	2	
5 (1.17)	MT-06300-64	2		MT-06300-81	2	
10 (0.3)	MT-06300-66	2		MT-06300-81	2	
25 (0.8)	MT-06300-68	2		MT-06300-83	2	
50 (1.6)	MT-06300-74	1		MT-06300-85	1	
100 (3)	MT-06300-76	1		MT-06300-87	1	
150 (5)	MT-06300-78	1		MT-06300-89	1	
250 (8)	MT-06300-82	1		MT-06300-91	1	
400 (13)	MT-06300-84	1		MT-06300-93	1	
500 (16)	MT-06300-86	1		MT-06300-93	1	
600 (20)	MT-06300-88	1		MT-06300-95	1	
1000 (32)	MT-06300-92	1		MT-06300-95	1	
2000 (64)	MT-06300-94	1		MT-06300-97	1	
5000 (170)	MT-06300-96	1		MT-06300-99	1	

Graduated Beakers with Easy-Grip Handles

Sturdy handle

- Always know your volume—molded-in graduations never rub off
- Choose the right material for your application—available in PMP, HDPE, PP, PC, and PFA

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Qty/pk	Catalog number	Price/pk
Thermo Scientific™ Nalgene™ polymethylpentene (PMP) beakers				
1000 (32)	5	1	MT-06004-97	
3000 (96)	10		MT-06004-99	
Thermo Scientific Nalgene high-density polyethylene (HDPE) beakers				
1000 (32)	100	1	MT-06005-10	
3000 (96)	200		MT-06005-20	
Polypropylene (PP) beakers				
50 (1.5)	10	1	MT-06100-97	
100 (3.5)	20		MT-06100-99	
250 (8)	5		MT-06008-35	
500 (16)	10		MT-06008-40	
1000 (32)	10	1	MT-06008-50	
2000 (64)	20		MT-06008-60	
3000 (96)	50		MT-06008-70	
5000 (160)	100		MT-06008-80	
Polycarbonate (PC) beakers				
470 (16)	25	1	MT-06004-80	
950 (32)	50		MT-06004-85	
1900 (64)	250		MT-06004-90	
3800 (128)	500		MT-06004-95	
Thermo Scientific Nalgene PFA beakers				
1000 (32)	50	1	MT-06006-00	
3000 (96)	125		MT-06006-05	

Low-Form Beakers with Handles, PP

Get a grip! Molded handles for easy pouring

- Graduations in milliliters and liters
- Withstand temperatures to 275°F (135°C)
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Catalog number	Qty/ pk	Price/pk
500 (½)	MT-61000-22	4	
1000 (1)	MT-61000-30	1	
2000 (2)	MT-61000-42	2	
3000 (3)	MT-61000-52	2	
5000 (5)	MT-61000-62	1	

Thermo Scientific™ Nalgene™ Griffin Low-Form Beakers, PMP

Don't sacrifice performance

- Get the transparency of glass and great chemical resistance
- Can be used at temperatures of 302°F continuously and 347°F intermittently
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
50 (1.6)	10	MT-06001-87	12	
100 (3.4)	10	MT-06001-88	12	
150 (5)	10	MT-06001-89	12	
250 (8)	25	MT-06001-90	6	
400 (13)	25	MT-06001-91	6	
600 (20)	25	MT-06001-92	4	
1000 (32)	50	MT-06001-93	3	
2000 (64)	100	MT-06001-94	1	
4000 (128)	250	MT-06001-95	1	

DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at **ColeParmer.ca/ChemChart**

Thermo Scientific™ Nalgene™ Griffin Low-Form Beakers, PP

Durable construction withstands temperatures to 275°F (135°C)

- Easy-reading black silk screened graduations
- Easy sample identification with oval marking space
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Catalog number	Qty/ pk	Price/ pk
30 (1)	MT-06000-20	12	
50 (1.6)	MT-06000-25	12	
100 (3.4)	MT-06000-30	12	
150 (5)	MT-06000-35	12	
250 (8)	MT-06000-40	6	
400 (13)	MT-06000-50	6	
600 (20)	MT-06000-55	4	
1000 (32)	MT-06000-60	3	
2000 (64)	MT-06000-70	1	
4000 (128)	MT-06000-80	1	

PYREX® Brand 1003 Heavy-Duty Griffin Beakers

Get the best strength even under harsh conditions

- Measure initial quantity and how much is used—double metric scale on 250- to 4000-mL sizes
- Know your solution—extra-large marking spot for easier identification
- Reference: ASTM E-960

Buy More...Save More!
15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity mL (oz)	Graduation range (mL)	Graduation interval (mL)	Catalog number	Qty	Price
150 (5)	20 to 140	20	MT-34512-06	12/pk	
150 (5)	20 to 140	20	MT-34512-26	48/cs	
250 (8)	25 to 200	25	MT-34512-07	12/pk	
250 (8)	25 to 200	25	MT-34512-27	48/cs	
400 (13)	25 to 325	25	MT-34512-08	12/pk	
400 (13)	25 to 325	25	MT-34512-28	48/cs	
600 (20)	50 to 500	50	MT-34512-09	6/pk	
600 (20)	50 to 500	50	MT-34512-29	36/cs	
1000 (32)	50 to 1000	50	MT-34512-11	6/pk	
1000 (32)	50 to 1000	50	MT-34512-31	24/cs	
2000 (64)	200 to 1800	200	MT-34512-13	4/pk	
2000 (64)	200 to 1800	200	MT-34512-33	8/pk	
4000 (128)	500 to 3500	250	MT-34512-15	1/pk	
4000 (128)	500 to 3500	250	MT-34512-35	4/pk	

PYREX® Brand 1000 Griffin Low-Form Beakers

Stand up to thermal shock

- Uniform wall thickness offers optimal balance of thermal shock resistance and mechanical strength
- Know how much is left and how much is gone—double graduation scale indicates approximate content (on 250- to 400-mL sizes only)
- No mystery liquids—extra-large marking spot for easy identification
- Reference: ASTM E-960

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity mL (oz)	Graduation range (mL)	Graduation interval (mL)	Catalog number	Qty/pk	Price/pk
10 (⅓)	—	—	MT-34502-01	12	
20 (⅔)	5 to 15	5	MT-34502-02		
30 (1)	5 to 25	10	MT-34502-03		
50 (1¾)	10 to 40	10	MT-34502-04		
100 (3)	20 to 80	10	MT-34502-05	12	
150 (5)	20 to 140	10	MT-34502-06		
250 (8)	25 to 200	25	MT-34502-07		
400 (13)	25 to 325	25	MT-34502-08		
600 (20)	50 to 500	50	MT-34502-09	6	
800 (27)	50 to 750	50	MT-34502-10	6	
1000 (32)	50 to 1000	50	MT-34502-11	6	
2000 (64)	200 to 2000	100	MT-34502-13	4	
3000 (96)	250 to 2500	125	MT-34502-14	1	
4000 (128)	500 to 3500	250	MT-34502-15	1	
10 (⅓)	—	—	MT-34502-21	48	
20 (⅔)	5 to 15	5	MT-34502-22		
30 (1)	5 to 25	10	MT-34502-23		
50 (1¾)	10 to 40	10	MT-34502-24		
100 (3)	20 to 80	10	MT-34502-25	48	
150 (5)	20 to 140	10	MT-34502-26		
250 (8)	25 to 200	25	MT-34502-27		
400 (13)	25 to 325	25	MT-34502-28		
600 (20)	50 to 500	50	MT-34502-29	36	
800 (27)	50 to 750	50	MT-34502-30	24	
1000 (32)	50 to 1000	50	MT-34502-31	24	
2000 (64)	200 to 2000	100	MT-34502-33	8	
3000 (96)	250 to 2500	125	MT-34502-34	6	
4000 (128)	500 to 3500	250	MT-34502-35	6	
Starter set contains one each of 50 mL, 100 mL, 250 mL, 600 mL, 1000 mL			MT-34502-90	5	

Cole-Parmer® Watch Glasses

Don't let samples evaporate

- Concave design for minimal sliding
- Easily fits on most beaker sizes

Cole-Parmer®

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Diameter	Fits beaker size	Qty/pk	Catalog number	Price/pk
50 mm	100 mL	12	MT-34508-50	
65 mm	150 mL	12	MT-34508-52	
75 mm	250 mL	12	MT-34508-54	
90 mm	400 mL	12	MT-34508-56	
100 mm	600 mL	12	MT-34508-58	
125 mm	1000 mL	12	MT-34508-60	
150 mm	2000 mL	12	MT-34508-62	

Cole-Parmer® Class A Griffin Low-Form Graduated Glass Beakers

Easy readings and exceptional durability

- Double-scale graduations for easy measuring while pouring in or out
- Meet ASTM E960 specifications for Class A borosilicate glass beakers
- Stand up to temperatures of 445°F (230°C) for long-term, or 752°F (400°C) for short-term
- Autoclavable

Cole-Parmer®

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity mL (oz)	Graduation interval (mL)	Catalog number	Qty/pk	Price/pk
10 (⅓)	—	MT-34503-42†	12	
25 (⅞)	5	MT-34503-44	12	
50 (1¾)	10	MT-34503-46	12	
100 (3)	10	MT-34503-48	12	
150 (5)	20	MT-34503-50	12	
250 (8)	25	MT-34503-52	12	
400 (13)	25	MT-34503-54	12	
600 (20)	50	MT-34503-56	6	
1000 (32)	50	MT-34503-58	6	
2000 (64)	100	MT-34503-60	4	
3000 (96)	125	MT-34503-62	1	
5000 (160)	250	MT-34503-64	1	

†The 10-mL beaker does not have graduations.

PYREX® Brand 1060 Berzelius Beakers

Save storage space

- Beakers are taller instead of wider
- Easy-read graduations for approximate measuring
- Easy-pour spout to facilitate sampling
- Reference: ASTM E-960

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15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity mL (oz)	Graduation interval (mL)	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
100 (3)	10	MT-34513-01	12		MT-34513-21	48	
200 (7)	25	MT-34513-02	12		MT-34513-22	48	
300 (10)	25	MT-34513-03	12		MT-34513-23	48	
400 (13)	25	MT-34513-04	6		MT-34513-24	36	
500 (16)	50	MT-34513-05	6		MT-34513-25	30	
600 (20)	50	MT-34513-06	6		MT-34513-26	24	
1000 (32)	50	MT-34513-10	6		MT-34513-30	18	

Cole-Parmer® Beakers and Covers, 304 SS (medium gauge)

Recessed covers for easy storage

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

NSF®

Capacity L (qt)	Qty/pk	Beakers		Optional covers	
		Catalog number	Price/pk	Catalog number	Price/pk
1.2 (1¼)	1	MT-07206-10		MT-07207-10	
1.9 (2)	1	MT-07206-20		MT-07207-20	
3.1 (3¼)	1	MT-07206-30		MT-07207-30	
4.5 (4¾)	1	MT-07206-40		MT-07207-40	
5.8 (6⅛)	1	MT-07206-60		MT-07207-60	
7.6 (8)	1	MT-07206-80		MT-07207-80	
11.4 (12)	1	MT-07206-90		MT-07207-90	

Cole-Parmer® Covered Containers, 304 SS (medium gauge)

No more contamination of samples

- Keep dirt and other contaminants out with included lid
- Non-corrosive stainless steel
- Easy to clean
- Withstand temperatures to 650°F (182°C)

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10% off on 6 to 29 packs or cases

NSF® LEAD FREE

Capacity, L (qt)	Catalog number	Qty/pk	Price/pk
0.3 (5/16)	MT-07250-00		
1 (1 1/16)	MT-07251-00	1	
1.5 (1 9/16)	MT-07252-00		
2.6 (2¾)	MT-07253-00		
4 (4¼)	MT-07254-00	1	
7 (7⅜)	MT-07258-00		

Cole-Parmer® Griffin Low Form Beakers, SS (medium gauge)

Get durable, economical mixing capabilities

- Sturdy vessels for general stirring or measuring of solutions

Cole-Parmer®

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10% off on 6 to 29 packs or cases

Capacity, mL (oz)	Catalog number	Qty/pk	Price/pk
125 (4.2)	MT-07205-30	1	
250 (8.5)	MT-07205-40	1	
600 (20.3)	MT-07205-50	1	
1200 (40.6)	MT-07205-60	1	
2000 (67.6)	MT-07205-70	1	
3000 (101.4)	MT-07205-80	1	
4000 (135.3)	MT-07205-90	1	

Cole-Parmer® Graduated Pouring Beakers, SS (medium gauge)

Easily measure and pour samples

- Measure volumes easily with internal graduation markers
- Great for higher temperatures—withstand temperatures up to 650°F (182° C)

Cole-Parmer®

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NSF®

Capacity, mL (oz)	Graduations, mL (oz)	Catalog number	Qty/pk	Price/pk
500 (16)	50 (2)	MT-07220-00	1	
1000 (32)	100 (2)	MT-07222-00	1	
2000 (64)	100 (4)	MT-07224-00	1	
5000 (160)	200 (4)	MT-07226-00	1	

Cole-Parmer® Pouring Beakers, 304 SS (medium gauge)

No more struggling to pour

- Attached handle lets you grip beaker easily

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NSF® LEAD FREE

Capacity, L (qt)	Catalog number	Qty/pk	Price/pk
2 (1.9)	MT-07208-20		
3 (2.8)	MT-07208-30	1	
3.7 (4)	MT-07208-50		

Cole-Parmer® Wide-Mouth Bottles, LDPE, HDPE, PP

Wide-mouth opening provides easier filling and sampling

- Offered in pack quantities or bulk-pack quantities to meet your specific requirements
- Reliable and sturdy
- Choose from three materials; all include a leakproof PP closure

HDPE Bottles are manufactured with FDA-compliant resin for noncontaminating storage of chemicals and food-grade products.

LDPE Bottles are translucent and ideal for food and general-use laboratory applications.

PP Bottles are rigid and offer superior chemical resistance; perfect for storage and sampling of liquids and solids. **Autoclavable.**

Cole-Parmer®

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Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
HDPE							
60 (2)	22 mm	MT-06045-18	12		MT-06045-23	72	
125 (4)	28 mm	MT-06045-24	12		MT-06045-25	72	
250 (8)	28 mm	MT-06045-26	12		MT-06045-27	72	
500 (16)	28 mm	MT-06045-28	12		MT-06045-29	48	
1000 (32)	28 mm	MT-06045-44	6		MT-06045-31	24	
2000 (64)	45 mm	MT-06045-46	1		MT-06045-33	6	
LDPE							
60 (2)	22 mm	MT-06045-02	12		MT-06045-03	72	
125 (4)	28 mm	MT-06045-04	12		MT-06045-05	72	
250 (8)	28 mm	MT-06045-06	12		MT-06045-07	72	
500 (16)	28 mm	MT-06045-08	12		MT-06045-09	48	
1000 (32)	28 mm	MT-06045-14	6		MT-06045-11	6	
PP							
30 (1)	22 mm	MT-06045-48	12		MT-06045-41	72	
60 (2)	22 mm	MT-06045-56	12		MT-06045-43	72	
125 (4)	28 mm	MT-06045-58	12		MT-06045-45	72	
250 (8)	28 mm	MT-06045-62	12		MT-06045-47	72	
500 (16)	28 mm	MT-06045-66	12		MT-06045-49	48	
1000 (32)	28 mm	MT-06045-68	6		MT-06045-51	24	
2000 (64)	45 mm	MT-06045-74	1		MT-06045-53	6	

Thermo Scientific™ Nalgene™ Economy Wide-Mouth Bottles, HDPE

Rugged design fits all your needs

- Leakproof, PP enclosure
- Wide mouth for easy filling

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20% off on 120+
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10% off on 6 to 29 packs or cases

Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
30 (1)	28 mm	MT-06035-31			MT-06035-33		
60 (2)	28 mm	MT-06035-35	12		MT-06035-37	72	
125 (4)	38 mm	MT-06035-39			MT-06035-41		
250 (8)	43 mm	MT-06035-43	12		MT-06035-45	72	
500 (16)	53 mm	MT-06035-47	6		MT-06035-49	48	
1000 (32)	63 mm	MT-06035-51	6		MT-06035-53	24	

Thermo Scientific™ Nalgene™ Economy Narrow-Mouth Bottles, HDPE

Stand up to your demands

- Sturdy, leakproof design
- Lightweight design for minimal additional weight

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Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
30 (1)	20 mm	MT-06035-07	12		MT-06035-09	72	
60 (2)	20 mm	MT-06035-11	12		MT-06035-13	72	
125 (4)	24 mm	MT-06035-15	12		MT-06035-17	72	
250 (8)	24 mm	MT-06035-19	12		MT-06035-21	72	
500 (16)	28 mm	MT-06035-23	6		MT-06035-25	48	
1000 (32)	38-430	MT-06035-27	6		MT-06035-29	24	

DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at **ColeParmer.ca/ChemChart**

Cole-Parmer® Bottle Carrier

Easily and safely transport solutions

- Lightweight, durable carrier transports up to six bottles measuring 3½" diameter or less

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Hole diameter	Catalog number	Qty/pk	Price/pk
3½" (89 mm)	MT-06722-04	1	

Thermo Scientific™ Nalgene™ Wide-Mouth Bottles, PP

Ideal for sensitive sample requirements

- Autoclavable bottles provide exceptional sample protection
- Include leakproof, polypropylene (PP) screw caps

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Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
30 (1)	28 mm	MT-06048-01	12	
60 (2)	28 mm	MT-06048-02		
125 (4)	38 mm	MT-06048-10		
250 (8)	43 mm	MT-06048-20	6	
500 (16)	53 mm	MT-06048-30		
1000 (32)	63 mm	MT-06048-40		

MT-63000-06 Replacement cap, PP, 28 mm. Case of 12
MT-63000-10 Replacement cap, PP, 43 mm. Case of 12
MT-63000-12 Replacement cap, PP, 53 mm. Case of 12
MT-63000-14 Replacement cap, PP, 63 mm. Case of 12

Cole-Parmer® Wide-Mouth Bottles, PTFE

Store corrosive materials without worry

- Withstand temperatures up to 540°F (280°C)
- Leakproof design
- Autoclavable

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Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
1 (0.03)	10	MT-06300-12	1	
5 (1.6)	10	MT-06300-16		
10 (0.3)	12	MT-06300-18		
25 (0.8)	19	MT-06300-24	1	
50 (1.6)	25	MT-06300-26		
100 (3)	35	MT-06300-28		
150 (5)	35	MT-06300-34		
250 (8)	42	MT-06300-36	1	
500 (16)	52	MT-06300-38		
1000 (32)	57	MT-06300-42		
2000 (64)	60	MT-06300-44		

Cole-Parmer® Lab Markers

Fine-point fiber tip writes on cold, wet surfaces. Quick-drying ink permanently marks plastic; washes off glass, metal, or porcelain.

Color	Qty/pk	Catalog number	Price
Black	10	MT-09964-00	
Blue		MT-09964-10	
Green		MT-09964-15	
Red		MT-09964-20	

Thermo Scientific™ Nalgene™ Wide-Mouth Bottles, LDPE

Get better sample visibility

- Translucent material provides flexibility and impact resistance
- Ideal for shipping liquids—include leakproof polypropylene (PP) screw caps

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Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
30 (1)	28 mm	MT-06043-10	12	
60 (2)	28 mm	MT-06043-20		
125 (4)	38 mm	MT-06043-30		
250 (8)	43 mm	MT-06043-40	12	
500 (16)	53 mm	MT-06043-50		
1000 (32)	63 mm	MT-06043-60	6	

Cole-Parmer® Square One-Quart Tall and Short Bottles, HDPE

Meet FDA compliance

- Leakproof, PP cap

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Description	Cap size	Catalog number	Qty/pk	Price/pk
Square tall	38 mm	MT-62270-03	36	
Square short, with handle		MT-62270-13	54	

Cole-Parmer® Graduated Rectangular Wide-Mouth Bottles, HDPE

Open with ease

- Keep track of samples by attaching tag to closure ring
- Leakproof seal with included plastic insert
- Good chemical resistance

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Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
25 (¾)	24	MT-06019-70	10	
50 (1¾)	29	MT-06019-72		
100 (3⅓)	40	MT-06019-74		
250 (8)	40	MT-06019-76		
500 (16)	53	MT-06019-78	6	
1000 (32)	66	MT-06019-80		
2000 (64)	66	MT-06019-82		

Thermo Scientific™ Nalgene™ Wide-Mouth Bottles, HDPE and PP

Sample easier with wider mouth

- Store dry chemicals or take water samples quickly
- Include PP caps

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Capacity, L (gal.)	Cap size	Catalog number	Qty/pk	Price/pk
High-density polyethylene (HDPE) bottles, leakproof				
2 (½) 4 (1)	100 mm 100 mm	MT-06055-10 MT-06055-20	1	
Polypropylene (PP) bottles. Autoclavable but not leakproof				
2 (½) 4 (1)	100 mm 100 mm	MT-06057-10 MT-06057-20	1	
Replacement PP cap. Autoclavable				
—	100 mm	MT-63000-16	12	

Thermo Scientific™ Nalgene™ Heavy-Duty Bottles, PP

Withstand repeated full vacuum applications

- Use under repeated full vacuum for 24 hours at 68°F (20°C)
- PP closure with thermoplastic elastomer (TPE) gasket
- Autoclavable

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Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
250 (8) 1000 (32) 2000 (64)	53B	MT-06257-05 MT-06257-10 MT-06257-20	6 6 2	
4000 (128) 5000 (160)	83B	MT-06257-00 MT-06257-30	1	

Thermo Scientific™ Nalgene™ Heavy-Duty Bottles, HDPE

Strong, leakproof storage

- PP closure will not leak
- Stand up to general storage or shipping

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Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
1000 (32) 2000 (64) 4000 (128)	53B 53B 83B	MT-06025-50 MT-06025-60 MT-06025-70	6 2 1	
Replacement caps, PP				
— —	53B 83B	MT-63000-20 MT-06258-30	12 2	

Thermo Scientific™ Nalgene™ Graduated Square Bottles, PC

Clearly see your samples

- Know your remaining sample size with molded-in graduations
- Drip-proof pouring with spout design
- Autoclavable

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10% off on 6 to 29 packs or cases

Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
125 (4) 250 (8)	38-430	MT-06040-50 MT-06040-55	6	
500 (16) 1000 (32)	38-430	MT-06040-60 MT-06040-65	4	
2000 (64)	53B	MT-06040-70	1	
Replacement caps, PP				
— —	38-430 53B	MT-63000-18 MT-63000-20	12	

Thermo Scientific™ Nalgene™ Large Narrow-Mouth Bottles, PP

Store large samples of chemicals safely

- Leakproof, polypropylene caps
- Built-in shoulder loop for easier handling on 4- and 8-liter sizes
- Autoclavable

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Capacity L (gal.)	Cap size	Catalog number	Qty/pk	Price/pk
Clear bottles, PP				
2 (½) 4 (1) 8 (2)	38-430 38-430 53B	MT-06028-10 MT-06028-20 MT-06028-30	1	
Amber bottles, PP				
2 (½) 4 (1) 8 (2)	38-430 38-430 53B	MT-06027-10 MT-06027-20 MT-06027-30	1	

Sample Bottles, HDPE

Store samples without breaking your budget

- Provide good chemical resistance for a wide range of uses
- Bottles are made of HDPE; included cap is made of polypropylene and lined with polyethylene foam
- Easy mailing with optional mailing tube

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Capacity mL (oz)	Qty/ pk	Catalog number	Price/pk
180 (6)	300	MT-06043-01	
250 (8)	329	MT-06049-01	
500 (16)	198	MT-06050-05	

MT-06049-30 **Mailing tubes** for bottle 06049-01. Carton of 240

Thermo Scientific™ Nalgene™ 4-L (1-Gal.) Square Bottles, HDPE and PP

Get a better grip

- Molded-in handgrips for safer handling
- Suitable for solids and other specimens
- HDPE is leakproof: PP is autoclavable

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Material	Capacity L (gal.)	Cap size	Catalog number	Qty/ pk	Price/ pk
HDPE	4 (1)	100 mm	MT-06022-97	1	
PP			MT-06022-95		
Replacement caps, PP					
—	—	100 mm	MT-63000-16	12	

Wide-Mouth Jars, PET

Maintain FDA compliance

- Unbreakable design
- Resist moisture and oxygen to keep samples fresh

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10% off on 6 to 29 packs or cases

Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
180 (6)	53 mm	MT-06043-70	12	
240 (8)	53 mm	MT-06043-71		
350 (12)	63 mm	MT-06043-72		
480 (16)	63 mm	MT-06043-73		
960 (32)	89 mm	MT-06043-74	12	
2000 (64)	100 mm	MT-06043-75	6	
4000 (128)	100 mm	MT-06043-76	4	

PYREX® Brand 1395 Media Bottles

Permanent white graduations won't wear off

- Use for mixing or storing of your solutions—full capacity indicated by bead line on 100-mL to 2-L sizes
- Linerless, autoclavable polypropylene screw cap included on each bottle
- Color code your samples with optional color-coded PP caps

Caution: Bottles larger than 2 liters should not be used under vacuum pressure, as breakage may occur. Do not tighten caps immediately after autoclaving.

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10% off on 5 to 9 packs or cases

Capacity mL (oz)	Graduation range (mL)	Thread size	Neck ID	Catalog number	Qty/ cs	Price/ cs
25 (¾)	10 to 25	GL25	14.5 mm	MT-34514-20	10	
50 (1¾)	20 to 50	GL32	16.5 mm	MT-34514-21	10	
100 (3)	40 to 80	GL45	29 mm	MT-34514-22	10	
250 (8)	50 to 200	GL45	29 mm	MT-34514-23	10	
500 (16)	100 to 400	GL45	29 mm	MT-34514-24	10	
1000 (32)	100 to 900	GL45	29 mm	MT-34514-25	10	
2000 (64)	400 to 1800	GL45	29 mm	MT-34514-26	4	
5000 (160)	500 to 4500	GL45	29 mm	MT-34514-28	1	
10,000 (320)	2000 to 9000	GL45	29 mm	MT-34514-30	1	

MT-34514-50 **Polypropylene cap,** orange, GL45. Cs of 20
MT-34514-53 **Polypropylene cap,** green, GL45. Cs of 20
MT-34514-54 **Polypropylene cap,** gray membrane, GL45. Cs of 10
MT-34514-55 **Polypropylene cap,** red high-temp. GL45. Cs of 10
MT-34514-60 **Pouring ring,** clear, low temperature. Cs of 50
MT-34514-65 **Pouring ring,** red, high temperature. Cs of 50

KIMAX® Media Bottles

Easy, drip-free pouring

- Stop worrying about not knowing volume—bottles have permanent white graduations and marking spot
- Use up to 840°F (450°C)
- Autoclavable bottle and PP lid

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10% off on 5 to 9 packs or cases

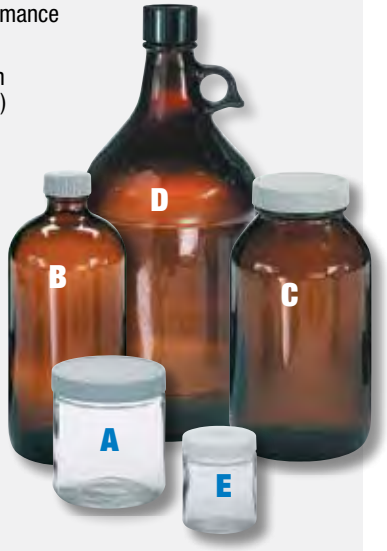
Capacity mL (oz)	Graduation range (mL)	Graduation interval (mL)	Thread size	Catalog number	Qty/ cs	Price/ cs
100 (3)	20 to 80	10	GL45	MT-34523-00	10	
250 (8)	50 to 200	25	GL45	MT-34523-02	10	
500 (16)	100 to 400	50	GL45	MT-34523-04	10	
1000 (32)	100 to 900	50	GL45	MT-34523-06	10	
2000 (64)	400 to 1800	100	GL45	MT-34523-08	4	
5000 (160)	500 to 4500	250	GL45	MT-34523-10	1	
10,000 (320)	2000 to 9000	500	GL45	MT-34523-12	1	

MT-34523-11 **Replacement cap,** PP, blue. Pack of 10
MT-34523-13 **Replacement pouring ring,** PP, clear. Pack of 10

Cole-Parmer® Precleaned EPA Sample Containers

No contaminants—precleaned and ready to use

- Include certificate of conformance to EPA specifications
- Identify samples easier with included labels (unattached)



A-D. Glass Bottles, Jars, and Jugs are processed and certified to meet the requirements of the current US EPA "Specifications and Guidance for Contaminant-Free Sample Containers" document for semi-volatile organics, pesticides, PCBs, metals, cyanide, fluoride, nitrate and nitrite analyses. Include PTFE-lined caps.

E. Glass Septa Jars are processed and certified to meet the requirements of the current US EPA "Specifications and Guidance for Contaminant-Free Sample Containers" document for purgeable volatile organic analysis. Include PTFE-lined silicone septa bonded to open-top caps.

Cole-Parmer®

Capacity mL (oz)	Neck size	Qty/ cs	Catalog number	Price/ cs
A. Clear wide-mouth glass jars				
60 (2)	53 mm	24	MT-99540-40	
125 (4)	58 mm	24	MT-99540-41	
250 (8)	70 mm	12	MT-99540-42	
500 (16)	89 mm	12	MT-99540-43	
950 (32)	89 mm	12	MT-99540-44	
B. Amber narrow-mouth glass bottles				
125 (4)	22 mm	24	MT-99540-30	
250 (8)	24-414	12	MT-99540-31	
500 (16)	28 mm	12	MT-99540-32	
1000 (34)	33-430	12	MT-99540-33	
C. Amber wide-mouth glass bottles				
125 (4)	38 mm	12	MT-99540-51	
250 (8)	45 mm	12	MT-99540-53	
500 (16)	53 mm	12	MT-99540-55	
950 (32)	53 mm	12	MT-99540-57	
D. Amber narrow-mouth glass jugs				
2500 (80)	38-430	6	MT-99540-34	
4000 (135)	38-430	4	MT-99540-35	
E. Clear wide-mouth glass septa jars				
60 (2)	53 mm	24	MT-99540-20	
125 (4)	58 mm	24	MT-99540-21	

Qorpak® Precleaned Glass Sample Bottles

Save time—no need to prewash bottles

- Vacuum and ionization process removes contaminants such as dirt, dust, carton lint, oil, aerosols, and fine glass particles
- Individually sealed for long-term storage with no contamination
- Bottles come with PTFE-lined caps; jars are available with PTFE-lined or pulp/vinyl-lined caps
- Clear wide-mouth square glass bottles have French square design for a more efficient use of shelf space while making the container easier to grip when pouring

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15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity mL (oz)	Neck size (mm)	Catalog number	Qty/ cs	Price/ cs
A. Clear narrow-mouth bottles				
30 (1)	20	MT-34606-00	48	
60 (2)	20	MT-34606-10	24	
120 (4)	22	MT-34606-20		
240 (8)	24	MT-34606-30		
480 (16)	28	MT-34606-40	12	
960 (32)	33	MT-34606-50		
B. Clear wide-mouth square glass bottles				
15 (½)	20	MT-34610-00	48	
30 (1)	24	MT-34610-10		
60 (2)	28	MT-34610-20		
120 (4)	33	MT-34610-30	24	
240 (8)	43	MT-34610-40		
480 (16)	48	MT-34610-50		
960 (32)†	58	MT-34610-60	12	
C. Amber narrow-mouth glass bottles				
60 (2)	20	MT-34607-00	24	
120 (4)	22	MT-34607-10		
240 (8)	24	MT-34607-20		
480 (16)	28	MT-34607-30	12	
960 (32)	33	MT-34607-40		
D. Amber wide-mouth glass bottles				
30 (1)	28	MT-34609-00	24	
60 (2)	33	MT-34609-10		
120 (4)	38	MT-34609-20		
240 (8)	45	MT-34609-30		
480 (16)	53	MT-34609-40	12	
960 (32)		MT-34609-50		
E. Clear wide-mouth glass jars with PTFE lined caps				
30 (1)	43	MT-34608-00	48	
60 (2)	53	MT-34608-10	24	
120 (4)	58	MT-34608-20		
270 (9)	70	MT-34608-30		
480 (16)	89	MT-34608-40	12	
960 (32)		MT-34608-50		
F. Clear wide-mouth glass jars with pulp/vinyl lined caps (not shown)				
30 (1)	43	MT-34608-05	48	
60 (2)	53	MT-34608-15	24	
120 (4)	58	MT-34608-25		
270 (9)	70	MT-34608-35		
480 (16)	89	MT-34608-45	12	
960 (32)		MT-34608-55		

†Graduated in mL and oz.

DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at **ColeParmer.ca/ChemChart**

Scienceware® Wash Bottles, LDPE

No leaking while dispensing

- One-piece polyallomer (PA) cap/delivery tube eliminates leaks
- Precise delivery with needle-thin stream

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Catalog number	Qty/pk	Price/pk
125 (4)	MT-06053-21	12	
250 (8)	MT-06053-41		
500 (16)	MT-06053-61		
1000 (32)	MT-06053-81		

Thermo Scientific™ Nalgene™ Economy Wash Bottles, LDPE

Eliminate pesky leaks

- One-piece molded PP closure and stem eliminate leaks
- Easily cut stem to increase flow

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
125 (4)	24 mm	MT-62304-20	6	
250 (8)	24 mm	MT-62304-30		
500 (16)	28 mm	MT-62304-40		
1000 (32)	38–430	MT-62304-50	4	

Cole-Parmer® Trigger Spray Bottle, HDPE

Get the stream you need

- Adjusts from fine mist to powerful stream
- Polypropylene cap and spray assembly with stainless steel bearings

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20% off on 120+
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10% off on 6 to 29 packs or cases

Cole-Parmer®

Capacity, mL (oz)	Catalog number	Qty/pk	Price/pk
650 (22)	MT-06091-05	4	

Scienceware® Safety-Labeled Wash Bottles, LDPE

Keep solutions close at hand with easy identification

- Quickly identify contents by large lettering and color-coded caps
- These 500-mL bottles include a leakproof polyallomer (PA) cap and nozzle
- Assortment pack allows for easy ordering—includes one each of water, acetone, ethanol, isopropanol, methanol, and toluene†

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Labeled chemical	Cap color	Qty/pk	Catalog number	Price/pk
Water	Blue	6	MT-06256-30	
Distilled water	Blue		MT-06256-20	
Deionized water	Blue		MT-06256-14	
Acetone	Red		MT-06256-40	
Methanol	Green	6	MT-06256-50	
Isopropanol	Yellow		MT-06256-60	
Toluene†	Red		MT-06256-70	
70% ethanol	Natural		MT-06256-13	
100% ethanol	Natural		MT-06256-81	
Bleach	Blue	6	MT-06256-90	
Methyl ethyl ketone	Green		MT-06256-10	
Soap	Blue		MT-06256-11	
Assortment pack for water, acetone, ethanol, isopropanol, methanol, and toluene†	—	6	MT-06256-00	

†Not recommended for long-term storage of toluene.

Thermo Scientific™ Nalgene™ Unitary™ Wash Bottles, LDPE

Fill up faster with wide-mouth design

- No need to shake or tip to dispense sample
- Increase flow by trimming tip
- One-piece leakproof design with PP screw closure

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
125 (4)	24 mm	MT-06050-20	6	
250 (8)	38 mm	MT-06050-30	4	
500 (16)	38 mm	MT-06050-50	4	
750 (24)	38 mm	MT-06050-70	4	
1000 (32)	43 mm	MT-06050-90	2	

MT-63000-04 **Replacement caps,** PP, 24 mm. Pack of 12
MT-63000-10 **Replacement caps,** PP, 43 mm. Pack of 12

Beaker and Bottle Brushes

No more dirty glassware—clean it easily

- Choose the right brush for your glassware from shape to bristle type
- Radial tip brushes reduce scratches and provide effective cleaning
- Contoured brushes allow you to reach angled areas with ease
- Tufted-end brushes fold to get in narrow-mouth vessels and then open once inside
- Choose angle and swivel head brushes to easily clean curves
- Volumetric models have a bendable handle to fit container's shape

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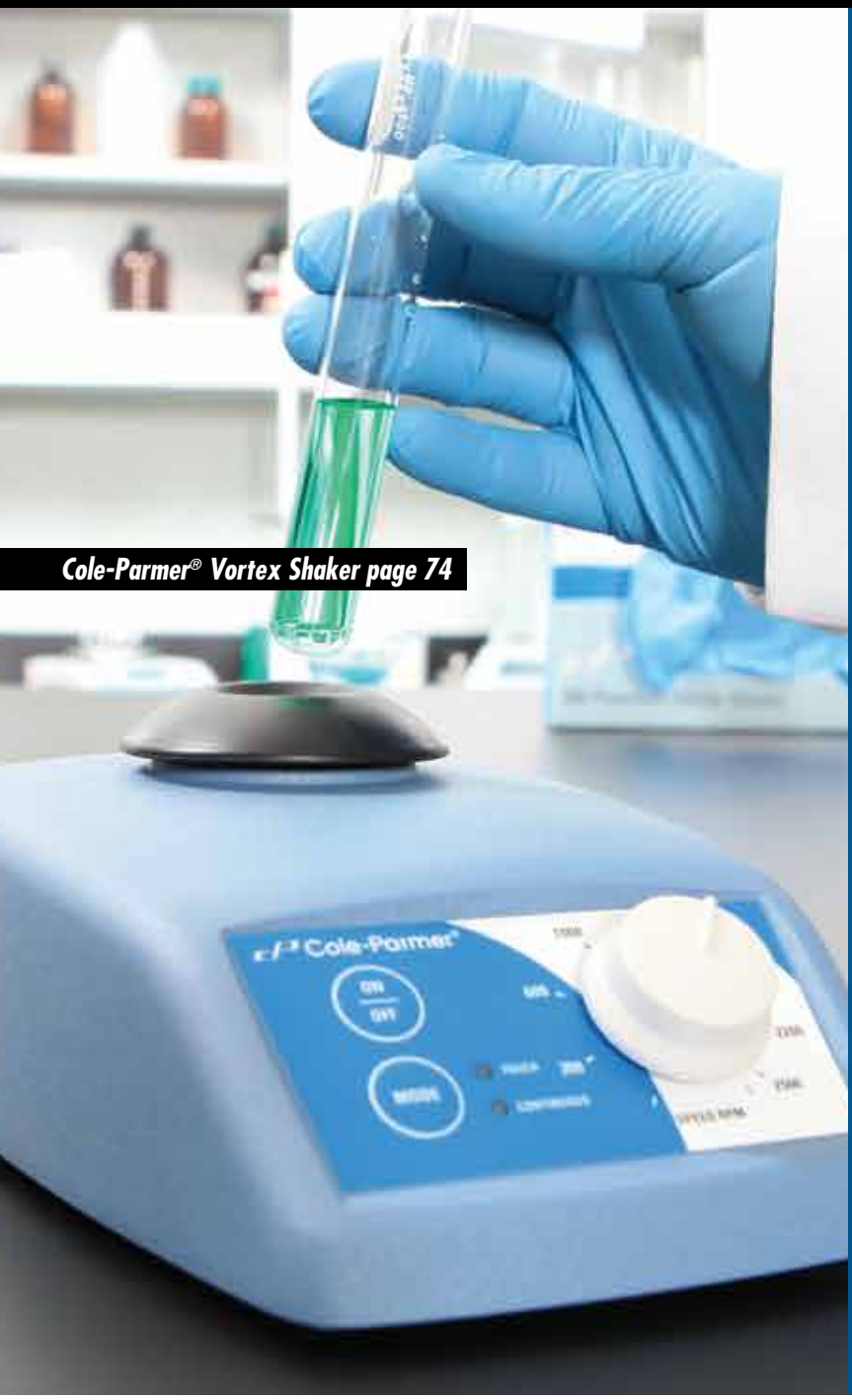
A B C D E F G H I J K

Key	Description	Brush bristles			Handle length		Catalog number	Qty/pk	Price
		Size (L x W)		Material	in.	cm			
Beaker/bottle/flask brushes									
A	Radial tip, small	3" x 1¾"	7.6 x 3.2 cm	Polyester	9	22.9	MT-84550-80	12	
	Radial tip, large	6" x 3⅛"	15.2 x 7.9 cm		10	25.4	MT-84550-81	12	
	Radial tip, XL	6" x 3⅛"	15.2 x 7.9 cm		13	33	MT-84550-82	6	
B	Contoured, large	10" x 3⅛"	25.4 x 7.9 cm	Polyester	7	17.8	MT-84550-83	6	
C	Fan tip, small	6" x 1½"	15.2 x 3.8 cm	Natural	6	15.2	MT-84550-86	12	
D	Tufted end, small	4¼" x 1½"	11.4 x 3.8 cm	Natural	7½	19.1	MT-84550-87	12	
	Tufted end, XL	4¼" x 1¾"	11.4 x 4.5 cm		19½	49.5	MT-84550-88	12	
E	Angled head, small	3" x 1"	7.6 x 2.5 cm	Polyester	13	33	MT-84550-76	1	
	Angled head, large	4" x 1½"	0.2 x 3.8 cm	Natural	12	30.5	MT-84550-89	12	
	Volumetric, large	4" x 1½"	10.2 x 3.8 cm	Nylon	10	25.4	MT-84550-90	12	
Bottle/cylinder brushes									
F	Radial tip, white bristles	6½" x 3⅛" dia	16.5 x 7.9 cm dia	Nylon	9	22.9	MT-84550-00	1	
	Radial tip, X-shaped yellow bristles						MT-84550-03	1	
	Radial tip, X-shaped green bristles						MT-84550-04	1	
G	Radial tip, white bristles			Polyester	9	22.9	MT-84550-70	1	
	Radial tip, red bristles						MT-84550-72	1	
	Radial tip, blue bristles						MT-84550-74	1	
H	Radial tip, small	4½" x 1¾"	11.4 x 4.5 cm	Natural	7	17.8	MT-84550-15	12	
	Radial tip, medium	5" x 2"	12.7 x 5.1 cm	Nylon	11	27.9	MT-84550-16	12	
	Radial tip, large	6" x 2⅜"	15.2 x 6.1 cm		14	35.6	MT-84550-17	12	
	Radial tip, XL				18	45.7	MT-84550-18	12	
	Radial tip, XXL	6" x 2¾"	15.2 x 7 cm		24	60.9	MT-84550-19	12	
Glassware brushes									
I	Foam-tipped	7" x 2"	17.8 x 5.1 cm	Polypropylene/foam	13	33	MT-84552-14	1	
		5" x 2"	12.7 x 5.1 cm		7	17.8	MT-84552-16	1	
J	Cylinder/Funnel brush	16" x 3⅛"	40.6 x 7.9 cm	Polyester	10½	26.7	MT-84550-71	12	
		24" x 3⅛"	60.9 x 7.9 cm		17½	44.5	MT-84550-73	12	
K	Swivel head brush	1¾" dia	3.2 cm	Natural	13	33	MT-84550-55	1	

Sample Prep and **Storage** Made Easy



Cole-Parmer® Vortex Shaker page 74

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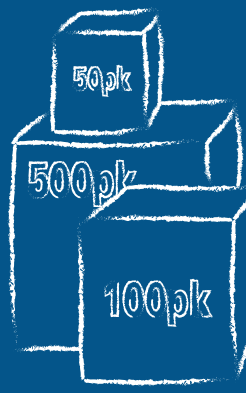

Chemical Compatibility

Check material compatibility before you buy

▸ ColeParmer.ca/Chemchart

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KIMAX® Serialized and Certified Class A Burettes

Get more accurate delivery

- Meet ASTM E 287-Class A requirements with individual serial number
- Fill burette easily through PTFE stopcock with ¼" ID flexible tubing
- Easy-reading black enamel graduations

Capacity	Graduation interval	Subdivisions	Tolerance	Catalog number	Price
10 mL	0.5 to 10 mL	0.05 mL	±0.02 mL	MT-34541-00	
25 mL	1.0 to 25 mL	0.1 mL	±0.03 mL	MT-34541-02	
50 mL	1.5 to 50 mL	0.1 mL	±0.05 mL	MT-34541-04	
100 mL	3.0 to 100 mL	0.2 mL	±0.1 mL	MT-34541-06	

Cole-Parmer® Class B Burettes

No more difficult readings

- White, permanent graduations for easy reading won't rub off
- Get reliable, accurate draining—noncontaminating PTFE stopcock with 2-mm straight bore
- Durable borosilicate glass

Cole-Parmer®

25000-55

Capacity	Graduation interval	Tolerance	Catalog number	Price
10 mL	0.05 mL	±0.04 mL	MT-63100-34	
25 mL	0.1 mL	±0.1 mL	MT-63100-36	
50 mL	0.1 mL	±0.1 mL	MT-63100-38	
100 mL	0.2 mL	±0.2 mL	MT-63100-40	

MT-25000-55 **Burette and stand kit;** includes 50-mL burette, stand and clamp

Automatic Self-Zeroing, Self-Supporting Burettes

Prevent contamination from outside elements

- Get easy, drop-by-drop delivery with unique push-button stopcock
- Quickly repeat titration by presetting drop speed with screw clamp
- Easy-to-read blue graduations

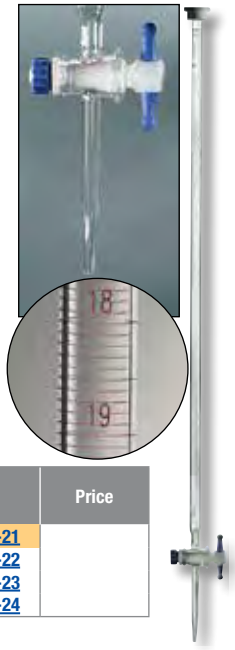
What's included: LDPE bottle, base, and tube; vinyl stopper; glass burette; and PP stopcock.

Capacity	Subdivisions	Reservoir	Catalog number	Price
10 mL	0.05 mL	500 mL	MT-07879-10	
15 mL	0.1 mL	500 mL	MT-07879-20	
25 mL	0.1 mL	1000 mL	MT-07879-30	
50 mL	0.1 mL	1000 mL	MT-07879-40	

PYREX® Brand 2103 Class A Burettes

No more hard-to-read aliquots

- Get better readings with large, easy-to-read numbers and sharp lines
- Be more accurate—capacity tolerance calibrated to ASTM E 287, burettes calibrated to ASTM E 542
- Leak-resistant PTFE stopcock features 2-mm bore
- Maintain fluid integrity with included dust cover



Capacity	Graduation interval	Tolerance	Catalog number	Price
10 mL	0.05 mL	±0.02 mL	MT-34543-21	
25 mL	0.10 mL	±0.03 mL	MT-34543-22	
50 mL	0.10 mL	±0.05 mL	MT-34543-23	
100 mL	0.20 mL	±0.10 mL	MT-34543-24	

Thermo Scientific™ Nalgene™ Automatic Self-Zeroing Burettes

No lubrication of PTFE plug needed

- Won't break—made of clear acrylic body, PTFE stopcock, and PMP tip
- Individually calibrated for accuracy to meet ASTM E 287 requirements

Unaffected by most dilute acids and bases (except HF and ammonium hydroxide). Use over full pH range. Not designed for use with alcohols or organic solvents. Include a cover, a squeeze bottle with closure, and 3 ft (1 m) of vinyl tubing.

Burette 06209-30 shown with stand 06703-00 and clamp 06703-10

Capacity	Graduation intervals	Reservoir	Catalog number	Price
10 mL	0.1 mL	500 mL	MT-06209-10	
25 mL	0.1 mL	500 mL	MT-06209-20	
50 mL	0.1 mL	1000 mL	MT-06209-30	

MT-06703-00 **Support stand** with center rod; 30" (76 cm) L x ½" (1.3 cm) dia

MT-06703-10 **Single burette clamp,** HDPE

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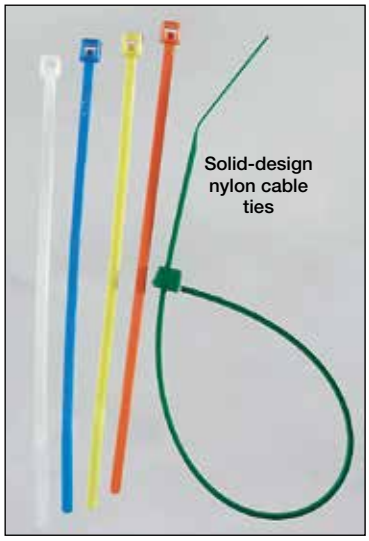
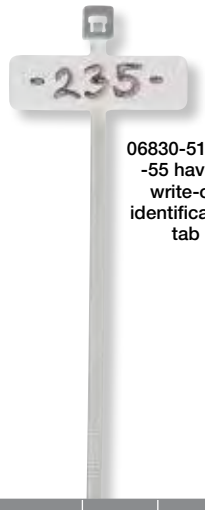
Solid-Design Cable Ties, Nylon

Won't corrode or stretch—made from injection-molded plastic

- Simply bend tip and pull through locking mechanism to secure
- Won't lose tension—even in vibrating, oily, or wet environments
- Withstand temperatures to 185°F (85°C), with melting point of 495°F (257°C)

Black ties are UV and weather resistant from –40 to 221°F (–40 to 105°C). UL-component recognized and self-extinguishing as per UL 94 Flam. class: V-2. Meet military specification MS3367.





06830-51 and -55 have a write-on identification tab

Length	Bundle diameter	Color	Catalog number	Qty/pk	Price/pk
Miniature, 18-lb tensile strength					
4" (10.2 cm)	⅞" (2.2 cm)	White	MT-06830-66	100	
			MT-06830-52	1000	
			MT-06830-51†	1000	
4" (10.2 cm)	⅞" (2.2 cm)	Black	MT-06830-68	100	
4" (10.2 cm)	⅞" (2.2 cm)	Red	MT-06830-11	100	
			MT-06830-61	1000	
4" (10.2 cm)	⅞" (2.2 cm)	Blue	MT-06830-62	1000	
4" (10.2 cm)	⅞" (2.2 cm)	Green	MT-06830-63	1000	
4" (10.2 cm)	⅞" (2.2 cm)	Yellow	MT-06830-64	1000	
4" (10.2 cm)	⅞" (2.2 cm)	Orange	MT-06830-65	1000	
Intermediate, 40-lb tensile strength					
5½" (14.0 cm)	1¼" (3.2 cm)	White	MT-06830-54	1000	
5½" (14.0 cm)	1¼" (3.2 cm)	Black	MT-06830-78	100	
8" (20.3 cm)	2⅛" (5.4 cm)	White	MT-06830-30	1000	
8" (20.3 cm)	2⅛" (5.4 cm)	Black	MT-06830-89	100	
			MT-06830-88	1000	
8" (20.3 cm)	2⅛" (5.4 cm)	Red	MT-06830-31	1000	
8" (20.3 cm)	2⅛" (5.4 cm)	Blue	MT-06830-32	1000	
8" (20.3 cm)	2⅛" (5.4 cm)	Green	MT-06830-33	1000	
8" (20.3 cm)	2⅛" (5.4 cm)	Yellow	MT-06830-19	100	
8" (20.3 cm)	2⅛" (5.4 cm)	Orange	MT-06830-41	1000	

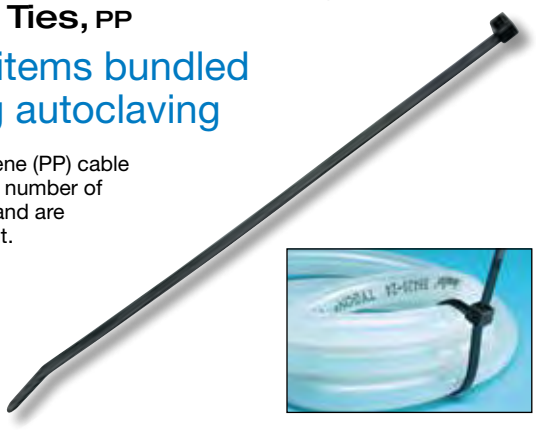
Length	Bundle diameter	Color	Catalog number	Qty/pk	Price/pk
Standard, 50-lb tensile strength					
7½" (19.1 cm)	1¾" (4.4 cm)	White	MT-06830-43	100	
			MT-06830-56	1000	
			MT-06830-55†	1000	
11" (27.9 cm)	3" (7.6 cm)	White	MT-06830-47	100	
			MT-06830-46	1000	
11" (27.9 cm)	3" (7.6 cm)	Black	MT-06830-49	100	
			MT-06830-48	1000	
15" (38.1 cm)	4" (10.2 cm)	White	MT-06830-58	100	
15" (38.1 cm)	4" (10.2 cm)	Black	MT-06830-29	100	
Heavy duty, 120-lb tensile strength					
14½" (36.8 cm)	4" (10.2 cm)	White	MT-06830-36	50	
			MT-06830-91	100	
28" (71.1 cm)	8" (20.3 cm)	White	MT-06830-39	50	
Extra heavy duty, 175-lb tensile strength					
34" (86.4 cm)	10" (25.4 cm)	White	MT-06830-42	50	

†Ties 06830-51 and -55 have a textured, write-on identification tab.

Autoclavable Solid-Design Cable Ties, PP

Keep items bundled during autoclaving

Polypropylene (PP) cable ties resist a number of chemicals and are UV-resistant.

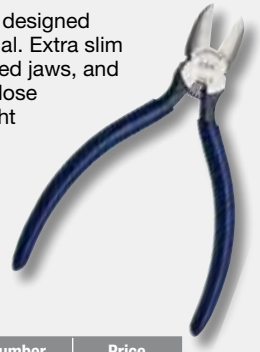


Length	Bundle diameter	Tensile strength	Color	Catalog number	Price/ pk of 1000
4" (10.2 cm)	¾" (1.9 cm)	11 lb	Natural	MT-06830-85	
8" (20.3 cm)	1¾" (4.4 cm)	25 lb	Black	MT-06830-95	

Crescent® Plastic-Cutting Diagonal Pliers

Get close and accurate cutting

These solid-joint diagonal pliers are designed specifically for cutting plastic material. Extra slim design, ground-flat back, oval-shaped jaws, and flush ground cutting edges permit close trimming and accurate cutting in tight areas. Vinyl cushion grips and coil springs provide user comfort and reduce fatigue. Pliers measure 6" (15.2 cm) L; nose measures 27/32" (21 mm) L x 47/64" (19 mm) W.



Description	Catalog number	Price
Plastic-cutting diagonal pliers	MT-97109-25	

Thermo Scientific™ Nalgene™ Round Carboys, LDPE

No more leaks

- Leakproof, polypropylene cap for no-worry transport
- Make transport easy with easy-grip handles
- Withstand corrosive materials
- Maintain adequate levels of solution—larger than 10-L carboys indicate 1-gallon and 5-liter increments
- Dispense easily with spigot models

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
Carboys with shoulder handles				
10 (2½)	83B	MT-06031-32	1	
15 (4)	83B	MT-06031-42		
20 (5)	83B	MT-06031-52		
25 (6½)	83B	MT-06031-62		
50 (13)	83B	MT-06031-72		
Wide-mouth carboys with shoulder handles				
10 (2½)	100 mm	MT-06056-22	1	
15 (4)	100 mm	MT-06056-32		
20 (5)	100 mm	MT-06056-52		
Carboy with spigot and shoulder handles				
4 (1)	38-430	MT-06065-10	1	
10 (2½)	83B	MT-06065-22		
20 (5)	83B	MT-06065-32		
25 (6½)	83B	MT-06065-52		
50 (13)	83B	MT-06065-62		
Carboys with ½" OD tubulation and shoulder handles				
10 (2½)	83B	MT-06080-42	1	
20 (5¼)	83B	MT-06080-52		

Accessories

MT-06258-30 **Replacement cap,** PP, 83B. Pack of 2
MT-63000-16 **Replacement cap,** PP, 100 mm. Pack of 12
MT-63000-18 **Replacement cap,** PP, 38-430. Pack of 12
MT-06070-22 **Replacement spigot,** PP

Cole-Parmer® Economical Heavy-Duty Carboys with Shoulder Handle, PP

Sturdy, octagonal design for added rigidity

- Easier filling and pouring with offset neck
- Leakproof spigot models have tube fitting for easier filling of containers
- Polypropylene closure reduces evaporation
- Autoclavable

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Cole-Parmer®

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
Heavy-duty carboys with shoulder handle				
5 (1¼)	45 mm	MT-62507-00	1	
10 (2½)	90 mm	MT-62507-10	1	
20 (5¼)	90 mm	MT-62507-20	1	
Heavy-duty carboys with shoulder handle and spigot				
5 (1¼)	45 mm	MT-62507-05	1	
10 (2½)	90 mm	MT-62507-15	1	
20 (5¼)	90 mm	MT-62507-25	1	

Collapsible Containers, LDPE

Won't take up extra space—easily expand when filled

- Stack neatly when empty, just unscrew cap and fill to expand
- Include polypropylene caps

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity, L (gallon)	Cap size	Qty/pk	Catalog number	Price/pk
1 (¼)	38 mm	12	MT-06100-10	
4 (1)			MT-06100-20	
10 (2½)	38 mm	10	MT-06100-30	
19 (5)			MT-06100-40	

Search
For our complete selection of carboys, go to... **ColeParmer.ca/Carboys**

Cole-Parmer® Economical Square Carboys, HDPE

Handle and pour contents easily

- Molded-in handle and indented bottom for easy grabbing
- No leaks with leakproof HDPE threaded cap
- Get easier dispensing by drilling and attaching optional faucet
- Autoclavable; withstand temperature from 68 to 248°F (20 to 120°C)

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Cole-Parmer®

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
10 (2½)	63 mm	MT-06031-80	1	
20 (5)		MT-06031-82		
10 (2½)	63 mm	MT-06031-84	4	
20 (5)		MT-06031-86		

MT-06031-88 **HDPE faucet,** ¾"

Thermo Scientific™ Nalgene™ Rectangular Carboys, HDPE

Don't waste valuable bench space

- Space-saving design for no dead area like traditional round carboys
- Both liter and gallon graduations for easy volume determination
- Leakproof high-density polyethylene (HDPE) for safe transport

Carboys with quick-action spigots accept ⅝" ID tubing, come with adapters for ¼" to ½" ID tubing, and feature an integrally molded threaded boss. Aspirator carboys feature integral tubulation for ½" ID tubing.

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
Rectangular carboys				
9 (2)	100 mm	MT-06032-20	1	
20 (5)	100 mm	MT-06032-50	1	
Rectangular carboys with spigot				
9 (2)	100 mm	MT-06066-20	1	
20 (5)	100 mm	MT-06066-50	1	

Thermo Scientific™ Nalgene™ FDA-Compliant Carboys, PP

Get a better grip with two-handle construction

- Dispense solutions more quickly with optional spigot models—accept ¼", ½", or ⅝" ID tubing
- Leakproof polypropylene (PP) cap
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
FDA-compliant carboys, USP Class VI				
10 (2½)	83B	MT-06063-12	1	
20 (5)	83B	MT-06063-22		
50 (13)	83B	MT-06063-32		
FDA-compliant carboys with spigot, USP Class VI				
10 (2½)	83B	MT-06064-50	1	
20 (5)	83B	MT-06064-60		
50 (13)	83B	MT-06064-70		

Thermo Scientific™ Nalgene™ Jerricans with Handle, HDPE

Better stability with wider footprint

- Get accurate pouring with integral spout
- Don't lose the cap—attached via strap to keep in place
- Gallon and liter graduations

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
6 (1½)	53B	MT-06069-10	1	
10 (2½)		MT-06069-20		
13 (3½)		MT-06069-25		
20 (5)		MT-06069-30		

MT-63000-20 **Replacement cap;** PP, 53B. Pack of 12

Cole-Parmer® Jiffy-Jack® Lab Jacks

Safely position sample or equipment

– Easily position equipment or sample with a twist of the knob
– Rugged construction stands up to heavy loads
– Add optional support rod for probes, clamps, or other items

Top plate dimensions	Open height	Closed height	Max support static load	Catalog number	Price
Plastic lab jack					
8" x 8" (20.3 x 20.3 cm)	12" (30.5 cm)	3" (7.6 cm)	15 lb (6 kg)	MT-08055-50	
Aluminum lab jacks					
4" x 4" (10.2 x 10.2 cm)	5" (12.7 cm)	2½" (6.4 cm)	66 lb (30 kg)	MT-08057-10	
6" x 6" (15.2 x 15.2 cm)	9¾" (24.8 cm)	3" (7.6 cm)	132 lb (60 kg)	MT-08057-20	
8" x 8" (20.3 x 20.3 cm)	13" (33.0 cm)	3½" (8.9 cm)	176 lb (80 kg)	MT-08057-30	
10" x 10" (25.4 x 25.4 cm)	13" (33.0 cm)	3½" (8.9 cm)	198 lb (90 kg)	MT-08057-40	
Stainless steel heavy-duty lab jacks					
3" x 3" (7.6 x 7.6 cm)	5" (12.7 cm)	2½" (6.4 cm)	20 lb (9.0 kg)	MT-08057-12	
4" x 4" (10.2 x 10.2 cm)	5" (12.7 cm)	2½" (6.4 cm)	30 lb (13.6 kg)	MT-08057-14	
6" x 6" (15.2 x 15.2 cm)	9¾" (24.8 cm)	3" (7.6 cm)	35 lb (15.8 kg)	MT-08057-16	
8" x 8" (20.3 x 20.3 cm)	13" (33.0 cm)	3½" (8.9 cm)	55 lb (25.0 kg)	MT-08057-18	
10" x 10" (25.4 x 25.4 cm)	13" (33.0 cm)	3½" (8.9 cm)	80 lb (36.3 kg)	MT-08057-22	
12" x 12" (30.5 x 30.5 cm)	19½" (49.5 cm)	4" (10.2 cm)	150 lb (68.0 kg)	MT-08057-24	
16" x 16" (40.6 x 40.6 cm)	19½" (49.5 cm)	4" (10.2 cm)	180 lb (81.6 kg)	MT-08057-26	

Model 08057-20 supports up to 132 lb (60 kg).

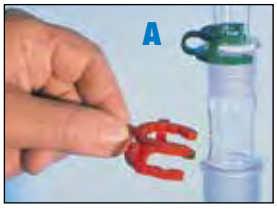
MT-08057-50 **Ratchet tool** adds extra leverage to models 08057-24 and -26
MT-08057-52 **Support rod kit** allows you to mount a 17" (43.2 cm) L vertical support rod to models 08057-16, -18, -22, -24, and -26

Keck® Connectors, Clamps, and Clips

Keep connections together

A. Keck Original Standard Taper Clips

Economical standard taper clips securely hold conical joints under pressure without damaging glass. The polyoxymethylene (POM) acetal resin clips are safe to 302°F (150°C). Resistant to concentrated alkalies and dilute acids (not resistant to halogen gases and concentrated acids).



Plastic taper clips are easy to attach and remove.

Joint size no.	Color	Qty/pk	Catalog number	Price/pk
10	Green	12	MT-06839-90	
12	Violet		MT-06839-95	
14	Yellow		MT-06840-05	
19	Blue	12	MT-06840-10	
24	Green		MT-06840-15	
29	Red		MT-06840-20	
34	Orange	12	MT-06840-25	
40	Yellow		MT-06840-30	
45	Brown		MT-06840-35	

MT-06840-00 **Standard taper clip assortment pack.**
Six each of sizes 14, 19, 24, and 29 (24 total)
MT-06840-50 **Standard taper clip assortment pack.**
Three each of all nine sizes in table above (27 total)

B. Keck Metal Standard Taper Clips

Durable nickel-plated steel taper clips securely hold conical joints under pressure. Clips offer superior chemical and temperature resistance—withstand temperatures to 932°F (500°C).

Joint size no.	Qty/pk	Cat. no.	Price/pk
14	6	MT-06836-05	
19		MT-06836-10	
24		MT-06836-15	
29		MT-06836-20	

C. Keck Ball-Joint Clips

Secure ball and socket joints—no locking screw required. Polyoxymethylene (POM) acetal resin clips are safe to 302°F (150°C). Resistant to concentrated alkalies and dilute acids (not resistant to halogen gases or concentrated acids).

Joint size no.	Color	Qty/pk	Catalog number	Price/pk
13	Violet	12	MT-06838-10	
19	Blue		MT-06838-15	
29	Red		MT-06838-20	
35	Orange		MT-06838-25	

Wait! There's More at ColeParmer.ca
Browse 100,000+ products plus find Technical Resources to help you choose

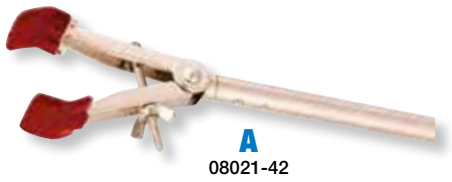
Cole-Parmer® Utility Clamps

Don't let samples tip over

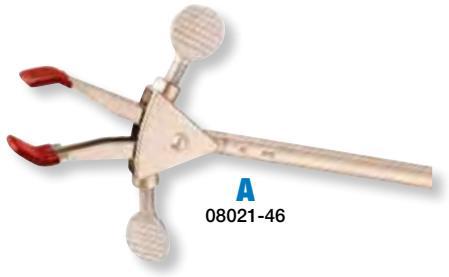
Cole-Parmer®

- Securely hold your flasks, beakers, and burettes
- Available in nickel-plated zinc or stainless steel construction—choose stainless steel for high chemical resistance and increased strength
- Choose single adjustment for standard use or dual adjustment for greater flexibility over a wider range
- Supplied with red nonslip vinyl sleeves and black fiberglass sleeves for temperatures above 212°F (100°C)

Note: To install utility clamps "A" through "C" to lab frames, support stands, and other apparatus, you will need to purchase a connector or holder that accepts a 0.5" (12.7 mm) dia rod; order separately at ColeParmer.com.



A
08021-42



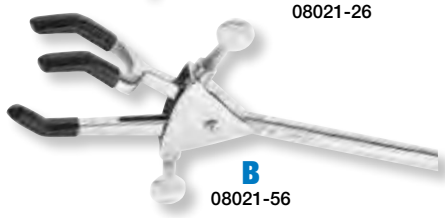
A
08021-46

A. Two-Prong Extension Clamps

- Ideal for cylinder-type labware

Type	Material	Grip range	Overall length	Catalog number	Price
Single adjustment	Nickel-plated zinc	0 to 3.07" (0 to 7.8 cm)	8.5" (21.6 cm)	MT-08021-42	
		0 to 3.62" (0 to 9.2 cm)	9.02" (22.9 cm)	MT-08021-44	
Dual adjustment	Nickel-plated zinc	0 to 2.95" (0 to 7.5 cm)	9.02" (22.9 cm)	MT-08021-46	
		0 to 3.74" (0 to 9.5 cm)	9.76" (24.8 cm)	MT-08021-48	
Dual adjustment	Stainless steel	0 to 2.95" (0 to 7.5 cm)	9.02" (22.9 cm)	MT-08129-71	
		0 to 3.74" (0 to 9.5 cm)	9.76" (24.8 cm)	MT-08129-88	

B
08021-26



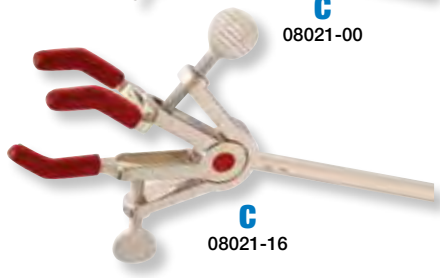
B
08021-56

B. Three-Prong Extension Clamps

- Ideal for irregularly shaped objects

Type	Material	Grip range	Overall length	Catalog number	Price
Single adjustment	Nickel-plated zinc	0 to 1.54" (0 to 3.9 cm)	6.3" (16.0 cm)	MT-08021-22	
		0 to 2.8" (0 to 7.1 cm)	8.58" (21.8 cm)	MT-08021-24	
		0 to 4.25" (0 to 10.8 cm)	9.76" (24.8 cm)	MT-08021-26	
Dual adjustment	Nickel-plated zinc	0 to 1.81" (0 to 4.6 cm)	6.61" (16.8 cm)	MT-08021-32	
		0 to 2.72" (0 to 6.9 cm)	9.02" (22.9 cm)	MT-08021-34	
			16" (40.6 cm)	MT-08021-35	
		0 to 4.13" (0 to 10.5 cm)	10.75" (27.3 cm)	MT-08021-36	
			17.76" (45.1 cm)	MT-08021-37	
Dual adjustment	Stainless steel	0 to 1.9" (0 to 4.8 cm)	6.77" (17.2 cm)	MT-08021-52	
		0 to 2.72" (0 to 6.9 cm)	9.02" (22.9 cm)	MT-08021-54	
		0 to 4" (0 to 10.2 cm)	10.75" (27.3 cm)	MT-08021-56	

C
08021-00



C
08021-16

C. Closed-Yoke, Three-Prong Extension Clamps

- Closed-yoke design allows use of clamp's full depth—no springs or internal workings to get in the way—and it's easier to clean and decontaminate

Type	Material	Grip range	Overall length	Catalog number	Price
Single adjustment	Nickel-plated zinc	0 to 0.91" (0 to 2.3 cm)	6.38" (16.2 cm)	MT-08021-04	
		0 to 1.97" (0 to 5.0 cm)	9.02" (22.9 cm)	MT-08021-02	
		0 to 2.83" (0 to 7.2 cm)	10.24" (26.0 cm)	MT-08021-00	
Dual adjustment	Nickel-plated zinc	0 to 1.26" (0 to 3.2 cm)	5.98" (15.2 cm)	MT-08021-12	
		0 to 2.76" (0 to 7.0 cm)	8.74" (22.2 cm)	MT-08021-14	
		0 to 4.06" (0 to 10.3 cm)	10.24" (26.0 cm)	MT-08021-16	

D. Fixed-Position Clamps

- One-piece clamps hold your labware at a fixed 90° angle for precise alignment of burettes, thermometers, and reflux condensers
- Integral connector accepts rods up to 0.75" (19 mm) in diameter

Type	Material	Grip range	Overall length	Catalog number	Price
Two-prong, single adjustment	Nickel-plated zinc	0 to 3.03" (0 to 7.7 cm)	5.24" (13.3 cm)	MT-08022-00	
	Stainless steel			MT-08129-96	
Three-prong, dual adjustment	Nickel-plated zinc	0 to 2.72" (0 to 6.9 cm)	5.75" (14.6 cm)	MT-08022-02	
	Stainless steel			MT-08129-95	

D
08022-00

D
08129-95

Cole-Parmer® Cleaning Products

Easily clean glass, metal, plastic, rubber, filters, textiles, and other materials

- Safe and effective cleaning products
- Highly concentrated, aqueous solutions are free-rinsing
- Meet USDA guidelines for incidental contact with food-processing systems
- Do not contain CFCs, phosphates, silicates, halogens, or phenols

Cole-Parmer®

Cleaner	Type	Cleaning applications	Dilution	pH	Packaging	Cat. no.	Price/ea	Cat. no.	Qty/cs	Price/cs
Micro-90®	Alkaline, USDA A1 cleaner	Manual or ultrasonic; removes most biological materials; cleans glass, most metals, plastic, and rubber†	1:100 to 2:100	9.5	0.26 gal. (1 L)	MT-18100-05		MT-18100-04	12	
					1 gal. (4 L)	—	—	MT-18100-11	4	
					5 gal. (18.9 L)	—	—	MT-18100-20	1	
					55-gal. drum (208 L)	MT-18100-30		—	—	—
Zymit® Low-Foam	Enzymatic, USDA A1 cleaner	Machine, manual, or ultrasonic; dissolves protein and starch-based soils; may use for delicate materials	1:100	7.5	0.26 gal. (1 L)	MT-18101-30		MT-18101-20	12	
LF2100®	Low-foam, alkaline, USDA A1 cleaner	Automatic washers, high-pressure and high agitation applications†	1:100	9.7	0.26 gal. (1 L)	MT-18102-00		MT-18102-10	12	
					5.3 gal. (20 L)	MT-18102-30		—	—	—
Surface-Cleanse/930®	Neutral, nonionic, USDA A1 cleaner	Cleans grease, petroleum, oils from glass, aluminum, lead, zinc, and plastic without surface damage	1:200	7.0	0.26 gal. (1 L)	MT-18103-00		MT-18103-10	12	
					5.3 gal. (20 L)	MT-18103-30		—	—	—
Micro-A07®	Citric acid, USDA A1 cleaner	Removes milkstone, hard water scale, rust, mineral deposits, and other inorganic soils from filter membranes, labware, and industrial equipment	1:100 to 2:100	2.5	0.26 gal. (1 L)	MT-18104-00		MT-18104-01	12	
					5.3 gal. (20 L)	MT-18104-30		—	—	—

†Do not use on zinc, magnesium, or aluminum.

DisCide® ULTRA Disinfecting Towelettes and Sprays

No wasting time—works in just one minute!

- No mixing or measuring—solutions are ready to use
- Eliminate separate towel requirements with towelettes

Description	Packaging	Qty/cs	Catalog number	Price
Towelettes, 6" x 6¾" (15.2 x 17.1 cm)	Canister of 160	12	MT-86306-03	
Towelettes, 10½" x 10½" (26.7 x 26.7 cm)	Canister of 60	12	MT-86306-05	
Spray bottle	1 quart bottle	12	MT-86306-13	
Refill bottle	1 gallon bottle	4	MT-86306-15	

Find even more online! Go to ColeParmer.ca to search more than 100,000 products.

Bacdown® Hand Soap

Won't dry your skin

- Formulated specifically for those washing frequently to minimize dry, chapped skin
- Protects against gram-negative and gram-positive bacteria as well as yeast and fungi

Packaging	Catalog number	Price/ea	Catalog number	Qty/cs	Price/cs
16 oz (500 mL)	MT-86115-02		MT-86115-00	12	
0.26 gal. (1 L)	MT-86115-06		MT-86115-04	12	
1.32 gal. (5 L)	MT-86115-10		—	—	—

CONFLIKT® Detergent Disinfectant

No need to dilute—ready to use

- Don't worry about contaminants—easily and effectively decontaminates surfaces
- Ammonium-based detergent disinfects and cleans hard surfaces

This prediluted detergent is effective against a wide range of viruses, bacteria, pathogenic fungi, mold, and mildew. USDA approved and EPA registered. Comes in a 32-oz spray bottle and a 1-gal. refill.

Packaging	Catalog number	Price/ea	Catalog number	Qty/cs	Price/cs
32 oz (946 mL)	MT-86115-40		MT-86115-38	6	
1 gal. (3.7 L)	MT-86115-44		MT-86115-42	4	

Oakton® Waterproof EcoTestr™ CTS Pocket Meter

NEW

Better results—easier and faster

- Conductivity, TDS, and salinity now combined into one meter
- Large dual-line display shows parameter and temperature readings simultaneously
- Easier, more intuitive interface and indicators for battery life, readiness, and calibration
- Use redesigned cap as sample cup and as a stabilizing base to stand the meter upright
- Secure—attach a lanyard to prevent losing or dropping in the field

OAKTON

ISO 9001:2008 CERTIFIED SUPPLIER CE IP67

Description		EcoTestr (CTS) Con/TDS/Salinity
Catalog number		MT-35462-11
Range	Conductivity	0.00 to 20.00 mS/cm
	TDS	0.00 to 20.00 ppt (with TDS factor 1.0)
	Salinity	0.0 to 10.0 ppt
	Temperature	32.0 to 122.0°F (0.0 to 50.0°C)
Resolution	Conductivity	10 µS, 0.1 mS
	TDS	10 ppm, 0.1 ppt
	Salinity	0.1 ppt
	Temperature	0.1°F (0.1°C)
Accuracy	Conductivity	±2% full-scale ±1 LSD
	TDS	±2% full-scale ±1 LSD
	Salinity	±2% full-scale ±1 LSD
	Temperature	±0.9°F (0.5°C) + 1 LSD
Temperature compensation		Automatic
Calibration		Single point
Power		Four 1.5 V miniature batteries (included)
Price		

Oakton® Dual-Range Waterproof TDSTestr® 11 and ECTestr® 11 Meters

Get longer life with replaceable sensor

- Don't worry about losing your meter—floats if dropped in water and included lanyard keeps it close
- Get more out of your meter—dual range measurements for a wider application range
- Easy calibration—up to one point per range
- Stands up to whatever you throw at it—Valox® housing and stainless steel electrodes for good chemical compatibility

Replaceable pin-style sensor

OAKTON

ISO 9001:2008 CERTIFIED SUPPLIER CE IP67

Description		TDSTestr 11 Dual Range	ECTestr 11 Dual Range
Catalog number		MT-35662-10	MT-35662-30
Range	Conductivity	0 to 2000 ppm; 0 to 10.0 ppt	0 to 2000 µS; 0 to 20.00 mS
	Temperature	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Reso-lution	Conductivity	10 ppm; 0.10 ppt	10 µS; 0.10 mS
	Temperature	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	Conductivity	±1% full scale	±1% full scale
	Temperature	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Temperature compensation		Automatic, 0 to 50°C; 2% per °C	Automatic, 0 to 50°C; 2% per °C
Calibration		One or two points	One or two points
Power		Four 1.5 V batteries (included), approx. 150 hours use	
Price			

Accessories

MT-35661-17 **Replacement sensor** for above pin-style testers

Oakton® Multirange Waterproof Cup-Style TDSTestr® 11+ and ECTestr® 11+ Meters

Be more versatile in sampling

- Operates as either a cup-style or dip-style tester for greater flexibility
- Selectable measuring range
- Won't sink—waterproof, dustproof housings float
- Easy operation—push-button calibration, Hold function, and error messages
- Save money—replaceable sensor reduces costs

OAKTON

ISO 9001:2008 CERTIFIED SUPPLIER CE IP67

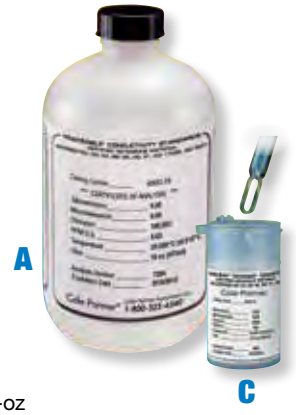
Description		TDSTestr 11+ Multirange	ECTestr 11+ Multirange
Catalog number		MT-35662-15	MT-35662-35
Range	Conductivity	0 to 200.0, 0 to 2000 ppm; 0 to 10.00 ppt	0 to 200.0, 0 to 2000 µS/cm; 0 to 20.00 mS/cm
	Temperature	32 to 122°F (0 to 50°C)	32 to 122°F (0 to 50°C)
Resolution	Conductivity	0.1, 1 ppm; 0.01 ppt	0.1, 1 µS/cm; 0.01 mS/cm
	Temperature	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	Conductivity	±1% full scale	±1% full scale
	Temperature	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Temperature compensation		Automatic, 0 to 50°C; 2% per °C	
Calibration		Push-button calibration, one to three points	
Power		Four 1.5 V batteries (included), approximately 150 hours continuous use	
Price			

MT-35661-08 **Replacement sensor** for cup-style testers

Cole-Parmer® Conductivity Solutions, NIST-Traceable Reference Materials

Trust your standards—high accuracy

– Up to ±0.25% accuracy verified by an ISO Guide 34 and ISO 17025 accredited lab



A. Batch-Tested Bottles, 16-oz

– Easy calibration with included instructions and temperature compensation chart

– Includes NIST-traceable certificate and batch testing information

B. Individually Tested Bottles, 16-oz

– Each bottle individually calibrated—NIST-traceable certificate included with serial number and testing information

– Easy calibration with step-by-step instructions and included temperature compensation chart

C. One-Shot® Vials, pack of six 3.4-oz vials

– Fresh solution each time you calibrate—single-use vials eliminate contamination

– Grab it and go—convenient for field use; calibrate right in vial

– Includes NIST-traceable calibration report and temperature compensation chart

Cole-Parmer®

Conductivity (µS)	Resistivity (MΩ)	TDS (ppm)	Catalog number	Price
A. Batch tested, one 16-oz (473-mL) glass bottle				
1	1	0.66	MT-00652-20	
5	0.2	3.3	MT-00652-22	
10	0.1	6.6	MT-00652-24	
100	0.01	66	MT-00652-26	
1000	0.001	666	MT-00652-28	
1413	0.00071	933	MT-00652-30	
10,000	0.0001	6666	MT-00652-32	
100,000	0.00001	66,666	MT-00652-34	
150,000	0.0000066	100,000	MT-00652-53	
200,000	0.000005	133,333	MT-00652-55	
B. Individually tested, one 16-oz (473-mL) glass bottle				
1	1	0.66	MT-00652-40	
5	0.2	3.3	MT-00652-42	
10	0.1	6.6	MT-00652-44	
100	0.01	66	MT-00652-46	
1000	0.001	666	MT-00652-48	
1413	0.00071	933	MT-00652-50	
10,000	0.0001	6666	MT-00652-52	
100,000	0.00001	66,666	MT-00652-54	
150,000	0.0000066	100,000	MT-00652-56	
200,000	0.000005	133,333	MT-00652-58	
C. One-Shot®, pack of six 3.4-oz (100-mL) vials				
5	0.2	3.3	MT-00652-60	
10	0.1	6.6	MT-00652-62	
100	0.01	66	MT-00652-64	
1000	0.001	666	MT-00652-66	
1413	0.00071	933	MT-00652-68	
10,000	0.0001	6666	MT-00652-70	
100,000	0.00001	66,666	MT-00652-72	
150,000	0.0000066	100,000	MT-00652-76	
200,000	0.000005	133,333	MT-00652-78	
Assortment†	—	—	MT-00652-74	

†Assortment has one 100-mL vial each of 10, 100, 1000, 1413, 10,000, and 100,000 µS.

Oakton® CON 6+ and TDS 6+ Meter Kits

Easy, push-button calibration

– High accuracy at an affordable price, ±1% across full scale

– Five auto-ranging measurement modes—up to 200.0 mS (200.0 ppt)

– Get more accurate calibration for all five ranges

– Get temperature readings at the touch of a button

Additional features include a convenient Hold function and auto-off function that shuts meter off after 20 minutes of nonuse. Programming functions allow customization of meter for temperature compensation, temperature coefficient, normalization, cell constant, and conductivity-to-TDS conversion factor (TDS 6+) for better accuracy in varying applications.

What's included: protective rubber boot with stand, conductivity/TDS/temperature probe (K = 1.0), calibration solutions, sample bottles, rinse bottle, hard plastic carrying case, and four AAA batteries.

Save time, save money!

Choose Precalibrated
Includes a data-rich, ISO 17025-compliant certificate!
Precalibrated by INNOCAL® INNOVATIVE CALIBRATION SOLUTIONS

OAKTON®

ISO 9001:2008 CERTIFIED SUPPLIER CE Meter only

Description		CON 6+ kit	Precalibrated CON 6+ kit	TDS 6+ kit	Precalibrated TDS 6+ kit
Catalog number		MT-35604-04	MT-35604-05	MT-35604-24	MT-35604-25
Range	Conductivity	0 to 20.00, 0 to 200.0, 0 to 2000 µS; 0 to 20.00, 0 to 200.0 mS		—	
	TDS	—		0 to 10.00, 10 to 100.0, 100 to 1000 ppm; 1.00 to 10.00, 10.0 to 100.0, up to 200.0 ppt†	
	Temperature	–10.0 to 110.0°C		–10.0 to 110.0°C	
Accuracy	Conductivity	±1% full-scale		—	
	Temperature	±0.5°C		±0.5°C	
Temp. compensation		Automatic or manual from 0.0 to 50.0°C			
Cell constant (K)		Selectable, 0.1, 1, and 10			
Conductivity-to-TDS conversion factor		—		0.4 to 1.00 adjustable	
Calibration points		5 maximum, one per range			
Power		Four AAA batteries (included)			
Price					

†With K = 10 probe

Accessories

MT-35606-53 **Conductivity probe,** K = 0.1
MT-35606-55 **Replacement conductivity probe,** K = 1.0
MT-35606-57 **Conductivity probe,** K = 10
MT-09376-00 **Replacement batteries,** AAA. Pk of 12
MT-17090-30 **NIST-traceable calibration** with data for conductivity meters

Cole-Parmer® Disposable Lab Containers, PPCO

No more wasted space—containers stack easily

- Durable for longer use—stand up to boiling, freezing, and most chemicals
- Know what's inside—translucent containers come with tight-fitting lids

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Cole-Parmer®

Capacity, mL (oz)	Catalog number	Qty/pk	Price/pk
120 (4)	MT-06727-00	250	
240 (8)	MT-06727-10	250	
480 (16)	MT-06727-20	100	
960 (32)	MT-06727-30	100	
2000 (64)	MT-06727-35	50	
2500 (83)	MT-06727-42	25	
5000 (170)	MT-06727-50	25	

Bain Marie Containers, HDPE

Be confident lid is tight

- Optional snap-tight lids feature positive lock for tight seal
- Can be frozen or chemically sterilized
- Easy carrying grip handles
- NSF certified; FDA-compliant

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

NSF®

Capacity L (qt)	Dimensions (H x OD) in.	Dimensions (H x OD) cm	Catalog number	Qty/pk	Price/pk
2 (2)	4½ x 7	11.4 x 17.8	MT-63530-00	12	
4 (4)	7½ x 7	19.1 x 17.8	MT-63530-02		
6 (6)	8 x 8¾	20.3 x 22.2	MT-63530-04		
8 (8)	10 x 8¾	25.4 x 22.2	MT-63530-06	12	
12 (12)	12 x 10	30.5 x 25.4	MT-63530-08		
16 (16)	9½ x 12	24.1 x 30.5	MT-63530-10		
20 (20)	13½ x 12	34.3 x 30.5	MT-63530-12	6	
24 (24)	15 x 12	38.1 x 30.5	MT-63530-14		
32 (32)	12 x 15½	30.5 x 39.4	MT-63530-16		
40 (40)	15½ x 15½	39.4 x 39.4	MT-63530-18		
Snap-tight, positive-lock lids					
For 2- and 4-L containers			MT-63530-50	12	
For 6- and 8-L containers			MT-63530-51		
For 12-L container			MT-63530-52		
For 16-, 20-, 24-L containers			MT-63530-53	6	
For 32- and 40-L containers			MT-63530-54		

Wide-Mouth Sample Containers, PP

Mix and store in one vessel

- Easily attach to blenders for in-container mixing
- Models 06101-31 and -40 fit blenders with Mason jar threads
- Durable for general storage—chemical-resistant polypropylene
- Autoclavable

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20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity, mL (oz)	Cap size	Catalog number	Qty/pk	Price/pk
30 (1)	43 mm	MT-06101-11	12	
60 (2)	53 mm	MT-06101-21		
120 (4)	70 mm	MT-06101-31		
240 (8)	89 mm	MT-06101-40	6	
480 (16)	89 mm	MT-06101-50		
960 (32)	120 mm	MT-06101-60		
1190 (40)	120 mm	MT-06101-70		

Graduated Sample Containers, PP

Graduated for easier sampling

- Durable design—translucent, unbreakable, and chemical resistant
- Sterile containers are individually wrapped

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

STERILE

Capacity, mL (oz)	Description	Catalog number	Qty/pk	Price/pk
118 (4)	Sterile, no tab	MT-06049-40	100	
118 (4)	Nonsterile with white tab	MT-06049-50	500	

Hinged-Lid Sample Containers, PP

Stop losing lids

- Attached lid is always close at hand
- Won't leak or spill when closed
- FDA-compliant
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Dimensions (H x OD) in.	Dimensions (H x OD) cm	Catalog number	Qty/pk	Price/pk
7.5 (¼)	⅝ x 1½	1.6 x 3.8	MT-66098-00	2500	
15 (½)	¾ x 1½	1.9 x 3.8	MT-66098-10	2000	
22.5 (¾)	1 x 1½	2.5 x 3.8	MT-66098-20	1500	
30 (1)	1½ x 1½	3.8 x 3.8	MT-66098-30	1300	
60 (2)	1⅝ x 2	4.1 x 5.1	MT-66098-40	750	
120 (4)	3 3/16 x 2	8.1 x 5.1	MT-66098-50	300	

MT-06098-02 **Labels** for containers 66098-40 and -50. Pack of 1000

Qorpak® Kaptclean® Glass Sample Jars

No precleaning required

- Precleaned for semivolatiles, pesticides, PCBs, and metals
- Include chemical-resistant PTFE-lined screw cap

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity mL (oz)	Neck size	Catalog number	Qty/ cs	Price/ cs
120 (4)	53 mm	MT-34605-30	24	
240 (8)	70 mm	MT-34605-55		
480 (16)	89 mm	MT-34605-60	12	
960 (32)	89 mm	MT-34605-70		

Qorpak® Safety-Coated Sample Jars

Will not shatter

- Reduce breakage with safety-coated design
- Chemical-resistant, PTFE-lined caps for tight seal

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Style	Capacity mL (oz)	Neck size	Catalog number	Qty/ cs	Price/ cs
Straight sided	260 (8)	70 mm	MT-34604-10	24	
	480 (16)		MT-34604-20	24	
	960 (32)		MT-34604-30	12	
Standard rounded	1920 (64)	83 mm	MT-34604-40	6	

Thermo Scientific™ Nalgene™ Straight-Side, Wide-Mouth Containers, PC and PP

Stack easily to maximize space

- Easy viewing of samples for simple identification
- PP screw enclosures keep a tight seal
- Autoclavable (autoclave pieces separately)

Buy More...Save More!

20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Cap size (mm)	Catalog number	Qty/ pk	Price/ pk
Polycarbonate (PC) containers				
30 (1)	43	MT-06760-50	4	
60 (2)	53	MT-06760-52		
125 (4)	70	MT-06760-54		
250 (8)	70	MT-06760-56	4	
500 (16)	120	MT-06760-58		
1000 (32)	120	MT-06760-60		
Polypropylene (PP) containers				
15 (½)	38	MT-06758-48	12	
30 (1)	43	MT-06758-50		
60 (2)	53	MT-06758-52		
125 (4)	70	MT-06758-54		
250 (8)	70	MT-06758-56	6	
500 (16)	120	MT-06758-58		
1000 (32)	120	MT-06758-60		

Rectangular Mobile Tubs, LDPE

No more strained backs

- Roll even heavy loads around with ease on rugged caster frame and wheels
- Easy clean-up—remove tub and wheels for washing
- Include polyethylene cover
- NSF certified and USDA approved

Buy More...Save More!

20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity L (gal.)	Dimensions (L x W x H†)		Catalog number	Price/ ea*
	in.	cm		
60 (15)	32⅜ x 15⅝ x 12¼	82.2 x 39.1 x 31.1	MT-06745-20	
106 (28)	26¾ x 20½ x 16¾	67.9 x 52.1 x 42.5	MT-06745-40	
204 (54)	35½ x 26 x 20¼	90.2 x 66.0 x 51.4	MT-06745-60	

*One each qualifies as one pack for discount savings.
†Height of tub given. Total height (including base) for models 06745-20 and 40 is 30½" (77.5 cm); for 06745-60 is 32¼" (81.9 cm).

Accessories

MT-60104-02 **HDPE bag**, 24" x 33" (61 x 84 cm)
MT-60104-04 **HDPE bag,** 30" x 37" (76 x 94 cm)
MT-60104-06 **HDPE bag,** 33" x 40" (84 x 102 cm)

Wait! There's More at ColeParmer.ca

Browse **100,000+** products plus find **Technical Resources** to help you choose

Kimberly-Clark® Critical Task Wipes

Low-lint, absorbent, soft, and nonabrasive

– Won't scratch delicate surfaces
– Single- and two-ply delicate task wipes are made of a finely textured tissue
– Solvent-resistant Kimtech CL4 wipes are made of a single-ply, nonwoven fabric specially bonded to eliminate surface fibers and trap particles

Find even more online! Go to ColeParmer.ca to search more than 100,000 products.

Description	Compliance	Wipe size	Qty/bx	Box/cs	Catalog number	Price/cs*
Delicate task wipes						
Kimwipes® EX-L, 1 ply	—	4½" x 8½"	280	1	MT-25000-35	
		4½" x 8½"	280	6	MT-25000-37	
		4½" x 8½"	280	60	MT-33670-04	
		15" x 16¾"	140	15	MT-33670-06	
Kaydry® EX-L, 2 ply	—	15" x 16¾"	90	15	MT-33670-10	
Cleanroom wipes						
Kimtech CL4 Cleanroom	ISO Class 4	12" x 12"	100	5	MT-33670-20	

***Discounts:** Save 10% on 10 to 49 cases and 15% on 50 or more cases.

TEXWIPE® Cleanroom Swabs

Meet your validation requirements

– Ideal for cleaning small surface areas and for cleaning validation

Sealed swab handles are thermo-formed. Swabs with ESD handles eliminate damage from static electricity and are effective in all humidities.

Fabric Swabs have excellent chemical compatibility. Sealed swabs contain low chloride and other ionic contaminants.

Foam Swabs have sealed handles and are constructed from 100 pores-per-inch reticulated urethane foam—ideal for solvent dispersion and low-viscosity adhesives. Sealed foam swabs are perfect for removal of solvents and fluxes. Cleanfoam® swabs feature low levels of nonvolatile residue, particle generation, and are constructed of open-cell polyurethane foam for excellent solvent capacity.

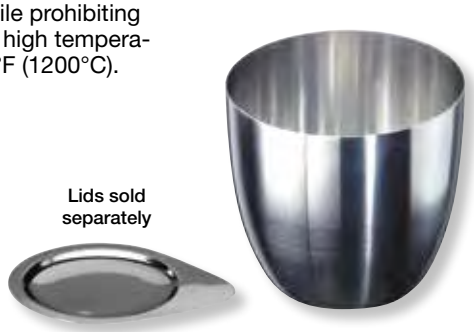
Swab tip	Tip description	Handle description	Tip length	Swab length	Compliance	Qty/pk	Catalog number	Price/pk
Fabric swabs								
	Knit polyester	Sealed polypropylene	0.39" (1 cm)	2.75" (7 cm)	—	50	MT-33676-01	
	Knit polyester	Sealed polypropylene	0.66" (1.7 cm)	6.39" (16.2 cm)	—	100	MT-33676-07	
	Knit polyester	Sealed polypropylene	0.16" (0.4 cm)	2.76" (7 cm)	ISO Class 3	500	MT-33677-58	
	Knit polyester	Sealed polypropylene	0.27" (0.7 cm)	6.39" (16.2 cm)	ISO Class 3	100	MT-33677-60	
	Knit polyester	Sealed polypropylene	0.5" (1.3 cm)	5.00" (12.7 cm)	ISO Class 3	100	MT-33677-62	
	Knit polyester	Sealed polypropylene	0.5" (1.3 cm)	5.00" (12.7 cm)	—	100	MT-33677-63	
	Knit polyester	Sealed polypropylene	1.01" (2.6 cm)	5.02" (12.8 cm)	—	20	MT-33677-64	
	Knit polyester	Sealed polypropylene	1.01" (2.6 cm)	5.02" (12.8 cm)	—	20	MT-33677-65	
Foam swabs								
	Foam bud	Hardwood	1.10" (2.8 cm)	6.06" (15.4 cm)	—	500	MT-33676-03	
	Cleanfoam	Polypropylene	0.13" (0.3 cm)	2.75" (7 cm)	ISO Class 5	500	MT-33677-50	
	Flexible cleanfoam	Polypropylene	0.13" (0.3 cm)	2.67" (6.8 cm)	ISO Class 5	500	MT-33677-52	
	Cleanfoam	Polypropylene	0.25" (0.6 cm)	6.37" (16.2 cm)	ISO Class 5	500	MT-33677-55	
	Circular foam	Sealed polypropylene	0.81" (2.1 cm)	5.20" (13.2 cm)	ISO Class 5	100	MT-33677-56	
	Cleanfoam	ESD	0.14" (0.4 cm)	3.50" (8.9 cm)	ISO Class 5	500	MT-33677-72	
	Cleanfoam	ESD	0.15" (0.4 cm)	2.75" (7 cm)	ISO Class 5	500	MT-33677-74	

Crucibles and Lids, Platinum

No acid or salt oxidization

– Withstands temperatures to 2192°F (1200°C)

High temperature strength and high melting point, while prohibiting contamination at high temperatures up to 2192°F (1200°C).



Capacity (mL)	Top ID (mm)	Height (mm)	Crucibles		Covers	
			Catalog number	Price/ea†	Catalog number	Price/ea†
Standard-form crucibles						
10	25	28	MT-17830-15		MT-17831-15	
15	30	31	MT-17830-25		MT-17831-25	
20	33	35	MT-17830-35		MT-17831-35	
25	36	34	MT-17830-45		MT-17831-45	
30	40	36	MT-17830-55		MT-17831-55	
40	42	42	MT-17830-65		MT-17831-65	
50	45	44	MT-17830-75		MT-17831-75	
Wide-form crucibles						
50	53	29	MT-17830-82		MT-17831-82	
75	65	30	MT-17830-86		MT-17831-86	
100	70	33	MT-17830-88		MT-17831-88	
150	77	41	MT-17830-90		MT-17831-90	

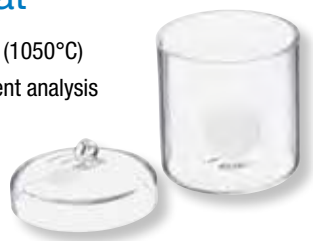
†Platinum pricing may fluctuate with platinum market.

Crucible and Cover, Quartz

Stand up to the heat

– Withstands temperatures to 1922°F (1050°C)

– Ensure chemical purity for subsequent analysis



Description	Capacity (mL)	OD x H (mm)	Catalog number	Price/ea
Crucible and cover	50	49 x 50	MT-34526-50	
Crucible only			MT-34526-52	

MT-34526-54 Replacement quartz crucible cover

Crucible Tongs

Get a better grip

Nickel-plated steel tongs have positive-grip corrugated tips for safely handling dishes in muffle furnaces. Use with crucibles and dishes 1½" (3.8 cm) in diameter or wider.

Length	Catalog number	Price
20" (50.8 cm)	MT-06443-50	

CoorsTek® High-Form Crucibles and Covers, High Alumina

Won't give in to chemicals

– Highly resistant to chemicals, alkalines, and fluxes

– Stands up to the heat—up to 3182°F (1750°C)

– Inactive in hydrogen and carbonaceous atmosphere

Capacity (mL)	Top outside dia (mm)	Height (mm)	Crucibles		Covers	
			Catalog number	Price/ea	Catalog number	Price/ea
10	29	31	MT-17804-01		MT-17804-11	
20	38	35	MT-17804-03		MT-17804-13	
50	48	47	MT-17804-05		MT-17804-15	
100	58	61	MT-17804-07		MT-17804-17	
250	76	93	MT-17804-09		MT-17804-19	

CoorsTek® Wide-Form Crucibles and Covers, Porcelain

Easier sample placement with wider mouth

Wide-Form Crucibles are glazed inside and out except for outside bottom and rim. **Covers** are glazed inside and out except for rim. **Autoclavable.** Case quantities available at ColeParmer.com

Capacity (mL)	Top outside dia (mm)	Height (mm)	Crucibles			Covers		
			Cat. no.	Qty/pk	Price/pk	Cat. no.	Qty/cs	Price/cs
8	32	20	MT-17804-02	12		MT-17811-02	12	
17	41	26	MT-17804-04	12		MT-17811-06	12	
30	50	31	MT-17804-06	12		MT-17811-08	6	
50	61	37	MT-17804-08	12		MT-17811-10	6	
100	76	46	MT-17804-10	12		MT-17811-12	6	
150	84	52	MT-17804-12	1		MT-17811-14	6	
250	102	60	MT-17804-14	1		MT-17811-16	6	

Cole-Parmer® Graduated Cylinders, PP and PMP

Built to last—molded graduations won't wear off

- For very good chemical resistance, choose polypropylene (PP) version
- Choose transparent polymethylpentene (PMP) for good chemical and heat resistance
- Meet ISO Standard 6706 and calibrated "to contain"
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Cole-Parmer®

Capacity (mL)	Graduations (mL)	Polypropylene (PP) cylinders		Polymethylpentene (PMP) cylinders	
		Cat. no.	Price/pk of 1	Cat. no.	Price/pk of 1
10	0.2	MT-06137-70		MT-06137-50	
25	0.5	MT-06137-72		MT-06137-52	
50	1.0	MT-06137-74		MT-06137-54	
100	1.0	MT-06137-76		MT-06137-56	
250	2.0	MT-06137-78		MT-06137-58	
500	5.0	MT-06137-80		MT-06137-60	
1000	10.0	MT-06137-82		MT-06137-62	
2000	20.0	MT-06137-84		MT-06137-64	

Thermo Scientific™ Nalgene™ Calibrated Graduated Cylinders, PP and PMP

No more guessing—easy-to-read molded graduations

- Get more accurate measurements—calibrated "to contain" and "to deliver"
- Feel confident—meet ASTM Class B, E 1272 specifications and ISO Standard 6706
- Plastic is nonwetting and no meniscus
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity (mL)	Graduations (mL)	Tolerance (mL)	Polypropylene (PP) cylinders		Polymethylpentene (PMP) cylinders	
			Catalog number	Price/pk of 1	Catalog number	Price/pk of 1
10	0.2	±0.20	MT-06135-10		MT-06134-10	
50	1.0	±0.50	MT-06135-30		MT-06134-30	
100	1.0	±1.00	MT-06135-40		MT-06134-40	
500	5.0	±4.00	MT-06135-60		MT-06134-60	
1000	10.0	±6.00	MT-06135-70		MT-06134-70	
4000	50.0	±29.00	MT-06135-90		MT-06134-90	

Thermo Scientific™ Nalgene™ Graduated Cylinders, PP and PMP

Get precise measurements—raised graduations, easy reading

- Nonwetting design calibrated TC/TD at 20°C
- Won't tip over—large, ribbed base for more stability
- For good chemical resistance, choose polypropylene (PP) version
- For good chemical and heat resistance, choose polymethylpentene (PMP) version
- Autoclavable

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity (mL)	Graduations (mL)	Tolerance (mL)	Catalog number	Qty/pk	Price/pk
Polypropylene (PP) cylinders					
10	0.2	±0.10	MT-06135-12	1	
50	1.0	±0.40	MT-06135-32	1	
100	1.0	±0.60	MT-06135-42	1	
500	5.0	±2.6	MT-06135-62	1	
1000	10.0	±5.0	MT-06135-72	1	
Polymethylpentene (PMP) cylinders					
25	0.5	±0.30	MT-06134-25	1	
50	1.0	±0.40	MT-06134-35	1	
100	1.0	±0.60	MT-06134-45	1	
250	2.0	±1.4	MT-06134-55	1	
500	5.0	±2.6	MT-06134-65	1	
1000	10.0	±5.0	MT-06134-75	1	

Cole-Parmer® Graduated Cylinders, PP

Don't guess at volume

- Read with ease—excellent transparency and raised graduations
- Durable, one-piece construction
- Maintain cleanliness—autoclavable

Cole-Parmer®

Buy More...Save More! **20%** off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity (mL)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
10	0.2	MT-06134-61	2	
		MT-06134-62	24	
25	0.5	MT-06134-63	2	
		MT-06134-64	12	
50	1.0	MT-06134-67	2	
		MT-06134-66	12	
100	1.0	MT-06134-69	2	
		MT-06134-68	12	
250	2.0	MT-06134-71	1	
		MT-06134-72	6	
500	5.0	MT-06134-73	1	
		MT-06134-74	4	
1000	10.0	MT-06134-77	1	
		MT-06134-76	3	
2000	20.0	MT-06134-79	1	
		MT-06137-78	2	

Cole-Parmer® Serialized Class A Graduated Glass Cylinders

Feel more confident about your aliquots—meet ISO 9000 requirements

– Easy-to-read single white metric scale

– Autoclavable

Choose cylinders with a report of traceability to NIST standards or with a report of calibration and traceability. Models with report of calibration and traceability feature fused-in serial numbers. All cylinders support ISO 9000 requirements and are calibrated in accordance with ASTM E 542. Cylinders meet ASTM E 694 specifications and accuracy requirements of ASTM 1272. Cylinder glass meets ASTM E 438.

Cole-Parmer®

34300-27 calibrated "To Contain"

34300-15 calibrated "To Deliver"

Capacity (mL)	Graduations (mL)	Tolerance (mL)	With report of traceability			With reports of calibration and traceability		
			Cat. no.	Qty/pk	Price/pk	Cat. no.	Qty/pk	Price/pk
Cylinders calibrated "To Contain"								
10	0.1	±0.10	MT-34300-17	1		—	1	—
25	0.2	±0.17	MT-34300-19			MT-34300-20		
50	1	±0.25	MT-34300-21			MT-34300-22		
100	1	±0.40	MT-34300-23			MT-34300-24		
250	2	±0.80	MT-34300-25	1		MT-34300-26	1	
500	5	±1.30	MT-34300-27			MT-34300-28		
1000	10	±3.0	MT-34300-29			MT-34300-30		
2000	20	±5.0	MT-34300-31			MT-34300-32		
Cylinders calibrated "To Deliver"								
10	0.1	±0.10	MT-34300-01	1		—	1	—
25	0.2	±0.17	MT-34300-03			MT-34300-04		
50	1	±0.25	MT-34300-05			MT-34300-06		
100	1	±0.40	MT-34300-07			MT-34300-08		
250	2	±0.80	MT-34300-09	1		MT-34300-10	1	
500	5	±1.3	MT-34300-11			MT-34300-12		
1000	10	±3.0	MT-34300-15			MT-34300-16		
2000	20	±5.0	MT-34300-13			MT-34300-14		

Cole-Parmer® Class B Graduated Glass Cylinders

Accurate measurements even at lowest graduations

– Easy-to-read white ceramic scales calibrated "to contain"

– Sturdy base to minimize tipping

– Autoclavable

These cylinders are used in ASTM tests D 86 and D447. Models 34200-04 and -05 meet ASTM E 133 requirements.

Cole-Parmer®

Capacity (mL)	Graduations (mL)	Tolerance (mL)	Catalog number	Qty/pk	Price/pk
10	0.2	±0.1	MT-34200-01	2	
25	0.5	±0.3	MT-34200-02	1	
50	1	±0.4	MT-34200-03	1	
100	1	±1.0	MT-34200-04	1	
250	2	±1.4	MT-34200-05	1	
500	5	±2.6	MT-34200-06	1	
1000	10	±5.0	MT-34200-07	1	
2000	20	±10	MT-34200-08	1	

PYREX® Brand 3025 Graduated Glass Cylinders

No more calculating allocations

– Measure how much you pour in and out directly with double metric scale

– Calibrate "to contain"

– Autoclavable

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity (mL)	Graduations (mL)	Catalog number	Price/pk of 1	Catalog number	Qty/cs	Price/cs
10	0.1	MT-34546-01		MT-34546-21	24	
25	0.2	MT-34546-02		MT-34546-22	18	
50	1.0	MT-34546-03		MT-34546-23	18	
100	1.0	MT-34546-04		MT-34546-24	12	
250	2.0	MT-34546-05		MT-34546-25	12	
500	5.0	MT-34546-06		MT-34546-26	8	
1000	10.0	—	—	MT-34546-27	1	
2000	20.0	—	—	MT-34546-28	1	

CoorsTek® Standard-Form Evaporating Dishes, Porcelain

Clean up easier with glazed interior

- Easy-pour spout
- Autoclavable

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity (mL)	Top outside dia (mm)	Height (mm)	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
35	60	24	MT-17812-00	12		MT-17812-20	48	
70	75	30	MT-17812-02	12		MT-17812-22	48	
80	80	30	MT-17812-04	6		MT-17812-24	24	
120	94	42	MT-17812-06	6		MT-17812-26	24	
150	100	42	MT-17812-07	6		MT-17812-27	18	
250	115	45	MT-17812-08	6		MT-17812-28	18	
385	145	48	MT-17812-09	1		MT-17812-29	12	
525	162	51	MT-17812-10	1		MT-17812-30	12	
765	185	54	MT-17812-12	1		MT-17812-32	8	
1285	215	75	MT-17812-14	1		MT-17812-34	6	
2100	265	80	MT-17812-16	1		MT-17812-36	4	
3250	305	95	MT-17812-18	1		MT-17812-38	3	

PYREX® Brand 3140 Crystallizing Dishes, Glass

Reduced chipping—reinforced and fire-polished rims

- Withstand repeated sterilizations—wet or dry
- Autoclavable

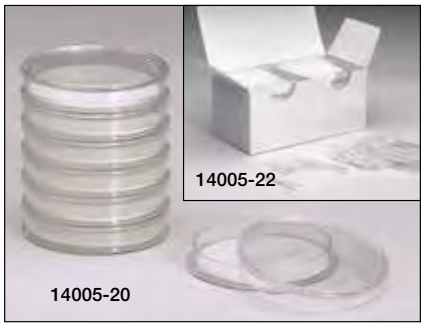
Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity mL (oz)	Approx dia x H (mm)	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/cs
180 (6)	70 x 50	MT-34550-01	6		MT-34550-21	24	
180 (6)	80 x 40	MT-34550-02	6		MT-34550-22	24	
270 (9)	90 x 50	MT-34550-03	6		MT-34550-23	18	
325 (11)	100 x 50	MT-34550-04	6		MT-34550-24	18	
740 (25)	125 x 65	MT-34550-05	4		MT-34550-25	12	
1200 (30)	150 x 75	MT-34550-06	4		MT-34550-26	8	
1770 (60)	170 x 90	MT-34550-07	2		MT-34550-27	8	
2500 (85)	190 x 100	MT-34550-08	2		MT-34550-28	6	

Advantec® Disposable 50-mm Sterile Petri Dishes, PS

No need to presterilize

- Sterilized dishes are ready to use
- Use only what you need—come in convenient packs of 20
- Polystyrene dishes come with or without 47-mm absorbent cellulose pad and hold 1.8 to 2.0 mL of liquid media
- Ridges for easy stacking



STERILE

Description	Dia x H (mm)	Qty/cs	Catalog number	Price/cs
Petri dish with pad	50 x 11	100 500	MT-14005-20 MT-14005-28	
Petri dish without pad	50 x 11	100 500	MT-14005-24 MT-14005-26	

MT-14005-22 **Presterilized absorbent pads.** Box of 100 individual packages

PYREX® Brand 3160 Petri Dishes, Glass

Save money—autoclavable for repeated use

- Dishes withstand repeated wet or dry sterilization
- Easy sorting—tops marked in blue, bottoms marked in white

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Dia x H (mm)	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
60 x 15	MT-34551-01	12		MT-34551-21	72	
100 x 10	MT-34551-02	12		MT-34551-22	72	
100 x 15	MT-34551-03	12		MT-34551-23	72	
100 x 20	MT-34551-04	12		MT-34551-24	72	
150 x 15	MT-34551-05	12		MT-34551-25	24	
150 x 20	MT-34551-06	12		MT-34551-26	24	

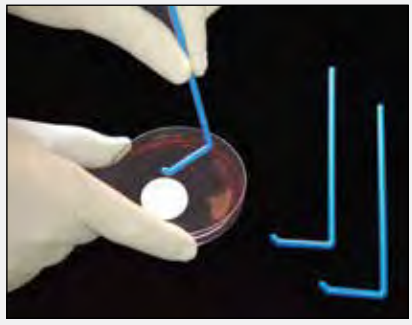
Disposable Cell Spreaders

Easy spreading with L-shaped design

- Won't cut into agar—upturned end to protect from puncture

Made of durable polystyrene, these sterile, disposable spreaders provide safe, convenient sample plating without flaming.

STERILE



Description	Qty/pk	Qty/cs	Catalog number	Price/cs
Disposable cell spreaders	10	500	MT-14201-00	
	1	500	MT-14201-10	

Cole-Parmer® Rotary Evaporator Systems

Simple operation at an affordable price

- Complete systems for easy ordering
- All units include evaporator with mechanical lift, digital water bath, and standard glassware
- Constant speed control from 20 to 180 rpm
- Maintain constant bath temperature to 90°C with digital water bath

What's included: rotary evaporator with mechanical lift, digital water bath, and standard glassware set.

REQUIRED System Components

1) Rotary evaporator	This page
2) Vacuum pump	95
3) Circulating chiller	online

Specifications

Resolution: 1 rpm
Evaporation flask size: 500 mL to 3 L
Glass joint: 24/40
Vacuum seal: PTFE

Cole-Parmer®

ISO 9001:2008 CERTIFIED SUPPLIER CE

Condenser type	Lift mechanism	Rotation speed	Water bath			Dimensions (W x H x D)	Power (VAC, Hz)	Catalog number	Price
			Temperature	Capacity	Watts				
Diagonal	Mechanical	20 to 180 rpm	Ambient to 90°C	3 L	1000	28" x 21" x 14" (71 x 53 x 36 cm)	115, 60	MT-28615-00	
							230, 50	MT-28615-01	
Vertical						19½" x 36¼" x 12⅝" (50 x 92 x 32 cm)	115, 60	MT-28615-05	
							230, 50	MT-28615-06	

Replacement Glassware

Description	Catalog number	Price
Diagonal condenser for 28615-00, -01	MT-28615-50	
Vertical condenser for 28615-05, -06	MT-28615-55	
Evaporating flask, 1 L	MT-28615-60	
Receiving flask, 1 L	MT-28615-65	

Accessories

MT-28615-70 **Inlet feed tube**
MT-28615-80 **Rotary joint** for 28615-00, -01
MT-28615-85 **Rotary joint** for 28615-05, -06
MT-35031-00 **Aspirator pump,** 115 VAC

IKA® Rotary Evaporator Systems

Don't lose valuable samples

- Minimize sample loss with automatic lift—lifts sample out of bath in case of power interuption
- Easily repeat experiments—digital rotation speed for easy setting
- Won't fail—backed by five-year warranty
- No straining to lift sample—motorized lift for easier removal
- Easily dry powders with standard reversing motor

These evaporators are ideal for routine distillations, and feature digital rotational speed setting and display from 20 to 270 rpm. Set bath temperature via analog controller.

What's included: rotary evaporator, water/oil heating bath, condenser set, evaporating and condensing flasks (each 1 L), and 6-ft (1.8-m) power cord.

REQUIRED System Components

1) Rotary evaporator	This page
2) Vacuum pump	95
3) Circulating chiller	online

c UL us CE

5 YEAR WARRANTY (excludes glassware and wearing parts)

Specifications

Rotation speed: 20 to 270 rpm
Evaporation flask size: 50 mL to 3 L
Glass joint: 24/40 (evaporating)
Vacuum seal: PTFE

Condenser type	Digital display	Water bath		Dimensions (W x H x D)	Power	Evaporators with uncoated glassware		Evaporators with safety-coated glassware	
		Temp range	Watts			Catalog number	Price	Catalog number	Price
Vertical	Rotation	20 to 180°C	1300	19 11/16" x 16 15/16" x 16 1/8" (50.0 x 43.0 x 41.0 cm)	115 VAC 230 VAC	MT-28710-00 MT-28710-02		MT-28710-05 MT-28710-07	
Cold-trap	Rotation	20 to 180°C	1300	20 7/8" x 22 7/16" x 16 1/8" (53.0 x 57.0 x 41.0 cm)	115 VAC 230 VAC	MT-28710-60 MT-28710-62		MT-28710-72 MT-28710-74	

Cole-Parmer® Syringe Filters

Get easy, reliable filtration—just slip on and twist

- Easy identification—membrane type and pore size printed on each filter
- Filter more confidently—filters are 100% integrity tested and manufactured in accordance with ISO 9002 standards
- Get a secure fit—bidirectional membrane support and luer lock inlet/outlet
- Sterile filters are sterilized by gamma irradiation and certified nonpyrogenic, noncytotoxic, and blister packed

Cole-Parmer®

Teky's Tips

Choose the Right Filter!

Membrane type	Applications
Glass prefilter	One-step prefiltration and filtration. Choose the final membrane to meet your application needs. High particle loading capacity.
Cellulose acetate	Sterilization and clarification of aqueous solutions. Low protein binding.
Nylon	Filtration of organic and aqueous solutions. Low extractables.
PTFE	Sterilization of gases and alcohols; cleaning acids, alkalies, and organic solvents; venting purposes. For aggressive chemicals.
Nitrocellulose	High protein retention; microbiological analysis, waste water treatment; sterilization of aqueous solutions.

Specifications

Membrane dia	Housing type	Sample volume	Retention volume†	Pressure limit at 25°C	Max temp	Effective filtration area
15 mm	PP	≤5 mL	10 µL	87 psi	127°C	1.7 cm^2
25 mm	PP	≤100 mL	0.1 mL	87 psi	127°C	4.8 cm^2
26 mm	Acrylic	≤100 mL	0.1 mL	87 psi	50°C	5.3 cm^2
50 mm	PP	≤2 L	0.5 mL	60 psi	134°C	20 cm^2

†Varies for glass prefilters; see glass prefilter table below.

Glass Prefilters with Final Filter

- Save time—borosilicate glass fiber prefilter and cellulose filter in one
- Prefilter extends life of final filter by removing particulates from sample
- Reduces retention volume and sample loss

Membrane Type	Membrane Dia	Pore size	Housing	Retention volume	Qty/bx	Catalog number	Price/bx
Nonsterile filters							
Cellulose acetate	26 mm	0.20 µm	Acrylic	0.23 mL	100	MT-02915-90	
		0.45 µm				MT-02915-92	
		0.80 µm				MT-02915-94	
Sterile filter							
Cellulose acetate	26 mm	0.20 µm	Acrylic	0.23 mL	50	MT-02915-40	

Cellulose Acetate Filters

- Low protein binding—ideal for biological solutions
- Use for sterilization and clarification of aqueous solutions

Pore size	Membrane dia	Housing	Color	Qty/bx	Catalog number	Price/bx
Nonsterile filters						
0.22 µm	26 mm	Acrylic	Blue	100	MT-02915-60	
0.45 µm			Clear		MT-02915-58	
0.80 µm			Green		MT-02915-62	
Sterile filters						
0.22 µm	26 mm	Acrylic	Blue	50	MT-02915-12	
0.45 µm			Clear		MT-02915-00	
0.80 µm			Green		MT-02915-10	

PTFE Filters

- Ideal for aggressive chemicals—organic solvents, concentrated acids and bases, propellants and more
- Use for gas/air filtration
- 50-mm membranes have stepped hose barb connectors for ¼" to ½" ID tubing

Pore size	Membrane dia	Housing	Color	Qty/bx	Cat. no.	Price/bx
Nonsterile filters						
0.20 µm	15 mm	PP	Natural	100	MT-29550-08	
0.45 µm					MT-29550-10	
0.20 µm	25 mm	PP	Natural	100	MT-02915-20	
0.45 µm					MT-02915-22	
0.20 µm	50 mm	PP	Natural	20	MT-02915-28	
0.45 µm					MT-02915-30	
Sterile filters						
0.20 µm	25 mm	PP	Natural	50	MT-02915-08	
0.50 µm					MT-02915-06	

Nylon Filters

- Low levels of extractables with no wetting agents
- Hydrophilic nylon for good chemical resistance—ideal for aqueous and most organics

Pore size	Membrane dia	Housing	Color	Qty/bx	Catalog number	Price/bx
Nonsterile filters						
0.22 µm	25 mm	PP	Natural	100	MT-02915-16	
0.45 µm					MT-02915-14	
Sterile filters						
0.20 µm	25 mm	PP	Red	50	MT-02915-04	
0.45 µm			Natural		MT-02915-02	

Nitrocellulose Filters

- Good for macromolecules—highest protein retention
- Get fast flow rates with aqueous solutions
- Ideal for microbiological analysis, waste water treatment, and sterilzation of aqueous solutions

Pore size	Membrane dia	Housing	Color	Qty/bx	Cat. no.	Price/bx
Nonsterile filter						
0.20 µm	26 mm	Acrylic	Blue	100	MT-02915-56	
Sterile filters						
0.20 µm	26 mm	Acrylic	Blue	50	MT-02915-52	
0.45 µm					MT-02915-53	

Advantec® Mixed Cellulose Ester Membranes

High quality at low prices

– Made from over 90% cellulose nitrate for strength and thermostability

These MCE membranes can be exposed to temperatures up to 266°F (130°C). Can be used for many laboratory applications including filter sterilizing biological fluids, microbiology, contamination analysis, and air monitoring.

Pore size (µm)	Bubble point (psi)	Flow (L/min/cm²)		13 mm (100/pk)		25 mm (100/pk)		47 mm (100/pk)		90 mm (25/pk)		142 mm (25/pk)		293 mm (25/pk)	
		H_2O†	Air	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price
0.10	35.3	0.027	0.67	MT-06639-25		MT-06639-28		MT-06639-31		MT-06639-34		MT-06639-41		MT-36230-81	
0.20	54.5	0.018	2.4	MT-06639-01		MT-06639-05		MT-06639-13		MT-06639-35		MT-06639-17		MT-36230-82	
0.45	35.0	0.045	3.7	MT-06639-02		MT-06639-06		MT-06639-14		MT-06639-36		MT-06639-18		MT-36230-83	
0.80	16.4	0.165	15.0	MT-06645-30		MT-06645-32		MT-06645-34		MT-06645-36		MT-06645-38		MT-36230-84	
1.00	13.9	0.220	20.4	MT-06639-47		MT-06639-49		MT-06639-51		MT-06639-55		MT-06639-53		MT-36230-85	
3.00	10.2	0.300	28.3	MT-06639-26		MT-06639-29		MT-06639-32		MT-06639-39		MT-06639-42		MT-36230-86	
5.00	8.5	0.400	40.9	MT-06639-27		MT-06639-30		MT-06639-33		MT-06639-40		MT-06639-43		MT-36230-87	

†Using water prefiltered to 0.1 µm at 10 psi.

Environmental Express® ProWeigh® and ProWeigh® Double Filters

No more washing, drying, and preweighing filters—it's already done for you!

Each filter is supplied in an aluminum dish.

– Get individual weights immediately—filter ID and weight is printed on each individual pan

– Eliminate loose fibers and inaccurate weights with precise, laser-cut edges

Save time and get faster results with these prepared filters. Each filter is washed, dried, and weighed robotically to the nearest 0.1 mg, then transferred to an aluminum dish that is printed with a barcode and the filter weight. Simply record the weight, filter your sample, dry the filter, and weigh the final product. ProWeigh filters are prepared and approved for use in *Standard Methods*.

ProWeigh Filters for Volatiles are specifically treated for use to determine fixed or volatile solids. After rinsing and drying, the filters are then heated to 550°C in a muffle furnace to drive off any volatile materials. They are then desiccated, weighed to 0.1 mg and quality inspected for accuracy.

ProWeigh Double Filters are weighed twice to ensure accuracy. After the initial weighing and labeling, the filters are reweighed to ensure a stable weight!

ProWeigh®

Standard Methods Approved for (Since 1997):		
Parameter	**EPA Method**	**Standard Method**
Total Dissolved Solids	160.1	2540C
Total Suspended Solids	160.2	2540D
Volatile Suspended Solids	160.4	2540E

Pore size (µm)	Filter size	Qty/pk	ProWeigh filters for total suspended solids (TSS)		ProWeigh filters for volatiles	
			Catalog number	Price/pk	Catalog number	Price/pk
1.5	32 mm	100	MT-53200-51		—	—
1.5	42 mm	100	MT-53200-52		MT-53200-62	
1.5	47 mm	100	MT-53200-53		MT-53200-63	
1.5	55 mm	100	MT-53200-54		MT-53200-64	
1.5	70 mm	100	MT-53200-55		MT-53200-65	
1.5	76 mm	100	MT-53200-56		MT-53200-66	
1.5	90 mm	100	MT-53200-57		MT-53200-67	
1.5	110 mm	100	MT-53200-58		MT-53200-68	

Pore size (µm)	Filter size	Qty/pk	ProWeigh Double filters for total suspended solids (TSS)		ProWeigh Double filters for volatiles	
			Catalog number	Price/pk	Catalog number	Price/pk
1.5	47 mm	100	MT-53200-73		MT-53200-83	
1.5	76 mm	100	MT-53200-76		—	—
1.5	90 mm	100	MT-53200-77		—	—

Advantec® Filter Holders

Easy assembly

06623-22

06623-32

Polypropylene (PP) holders are ideal for ultracleaning and sterilizing liquids under pressure, or for aseptic sampling of liquids and gases. Maximum operating temperature (liquids) is 176°F (80°C); maximum operating pressure is 42 psi (2.9 bar) for the 25-mm holder and 71 psi (4.8 bar) for the 47-mm holder.

Holders feature PP dual support screens and silicone O-rings. Dual support screens allow for flow in both directions. Assemble holders quickly and efficiently without membrane tears with the specially designed inlet cap and exterior lock.

The 25-mm holder features a female luer-lock on the inlet and a male luer-slip on the outlet. The 47-mm holder features a ¼" NPT(M) thread on the inlet and a ¼" NPT(M)-female luer-slip on the outlet. Both are autoclavable.

Type of holder	Diameter	Catalog number	Qty/pk	Price/pk
Syringe	25 mm	MT-06623-32	6	
In-line	47 mm	MT-06623-22	1	

MT-02930-95 **Support screen,** 25 mm. Pack of 8

MT-06645-90 **Support screen,** 47 mm. Pack of 4

Find even more online! Go to ColeParmer.ca to see full product details.

Cole-Parmer® Premium Luer Fittings

Premium luer fittings for critical applications

– Manufactured from 100% virgin raw materials in a Class 100,000 environment

– Full material traceability on all items

These luer fittings are ideal for a variety of applications, including syringes or small tubing. Manufactured in compliance with ISO 594-1 standards, these fittings are inspected to be free from contaminants, and are fully traceable. All parts meet tight dimensional tolerances for increased reliability and process purity. Choose from a range of sizes, 1/16" to 1/4", with a variety of connection options. **Pack of 25.**

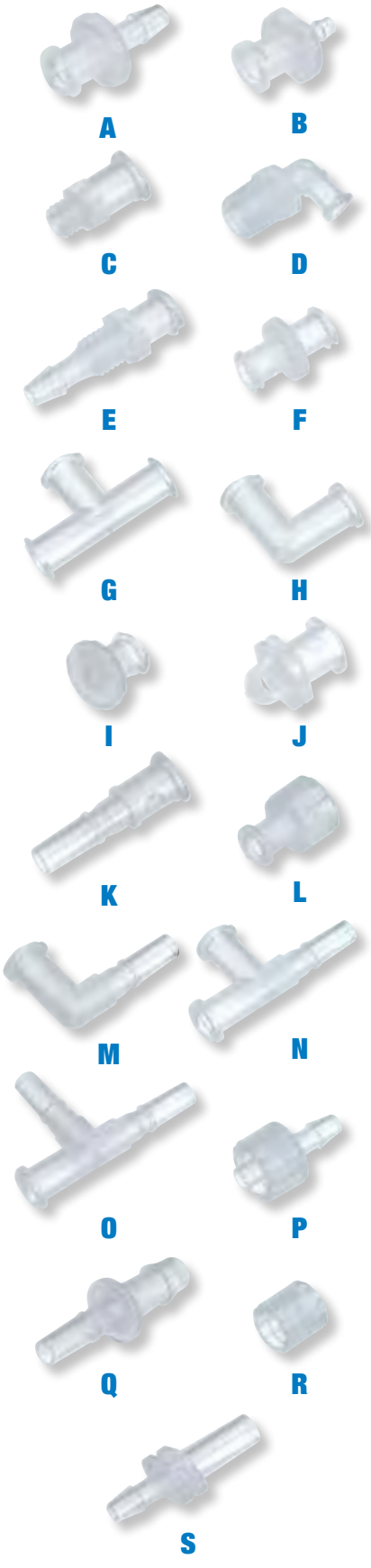
Search

For our complete line of luer fittings, go to…
ColeParmer.ca/Fittings

Cole-Parmer®

Buy More…Save More!
20% off on 100+
15% off on 50 to 99
10% off on 10 to 49 packs

FREE certificate of compliance for these fittings



Key	Description	Polypropylene		Polycarbonate		Nylon	
		Cat. no.	Price/pk	Cat. no.	Price/pk	Cat. no.	Price/pk
Female luer x hose barb adapters							
A	Female luer x 1/16" hose barb	MT-45508-00		MT-45501-00		MT-45502-00	
	Female luer x 3/32" hose barb	MT-45508-02		MT-45501-02		MT-45502-02	
	Female luer x 1/8" hose barb	MT-30800-08		MT-45501-04		MT-45502-04	
	Female luer x 5/32" hose barb	MT-45508-06		MT-45501-06		MT-45502-06	
	Female luer x 3/16" hose barb	MT-45508-08		MT-45501-08		MT-45502-08	
	Female luer x 1/4" hose barb	MT-30800-06		MT-45501-20		MT-45502-20	
Female luer x hose barb adapters (smooth bore)							
B	Female luer x 1/16" hose barb (smooth bore)	MT-45508-50		MT-45501-50		MT-45502-50	
	Female luer x 3/32" hose barb (smooth bore)	MT-45508-52		MT-45501-52		MT-45502-52	
	Female luer x 1/8" hose barb (smooth bore)	MT-45508-54		MT-45501-54		MT-45502-54	
Female luer x thread adapters							
C	Female luer x 10-32 special tapered thread	MT-45508-70		MT-45501-70		MT-45502-70	
	Female luer x 10-32 UNF thread	MT-45508-60		MT-45501-60		MT-45502-60	
	Female luer x 1/4-28 UNF thread	MT-45508-66		MT-45501-66		MT-45502-66	
	Female luer x 1/4-28 UNF bottom sealing thread	MT-45508-76		—	—	MT-45505-76	
	Female luer x 1/8-27 NPT thread	MT-30800-00		—	—	MT-45505-78	
D	Female luer x 1/8-27 NPT thread elbow	MT-45518-80		—	—	MT-45505-80	
Female luer bulkhead x hose barb adapters							
E	Female luer x 1/4-28 UNF thread to 1/16" hose barb	MT-45508-30		MT-45501-30		MT-45502-30	
	Female luer x 1/4-28 UNF thread to 3/32" hose barb	MT-45508-32		MT-45501-32		MT-45502-32	
	Female luer x 1/4-28 UNF thread to 1/8" hose barb	MT-45508-34		MT-45501-34		MT-45502-34	
Female adapters							
F	Female luer x female luer	MT-45508-22		MT-45501-22		MT-45502-22	
G	Female tee	MT-45508-56		MT-45501-56		MT-45502-56	
H	Female elbow	MT-45508-26		MT-45501-26		MT-45502-26	
I	Female luer x cap	MT-30800-12		MT-45501-28		MT-45502-28	
J	Female luer x cap with tether loop	MT-45508-64		MT-45501-64		MT-45502-64	
Male x female adapters							
K	Male luer x female luer coupler	MT-45508-82		MT-45501-82		MT-45502-82	
L	Male luer x female luer coupler with lock ring	MT-45508-80		MT-45501-80		MT-45502-80	
M	Male luer x female luer elbow	MT-45508-84		MT-45501-84		MT-45502-84	
N	Male x female x female tee	MT-45508-85		MT-45501-85		MT-45502-85	
O	Male x male x female tee	MT-45508-75		MT-45501-75		MT-45502-75	
Male luer lock x hose barb adapters							
P	Male luer lock x 1/16" hose barb	MT-45518-00		MT-45504-00		MT-45505-00	
	Male luer lock x 3/32" hose barb	MT-45518-02		MT-45504-02		MT-45505-02	
	Male luer lock x 1/8" hose barb	MT-30800-24		MT-45504-04		MT-45505-04	
	Male luer lock x 5/32" hose barb	MT-45518-06		MT-45504-06		MT-45505-06	
	Male luer lock x 3/16" hose barb	MT-45518-08		MT-45504-08		MT-45505-08	
	Male luer lock x 1/4" hose barb	MT-30800-22		MT-45504-19		MT-45505-19	
Male luer x hose barb adapters (for use with separate rotating lock ring "R")							
Q	Male luer x 1/16" hose barb	MT-45518-40		MT-45504-40		MT-45505-40	
	Male luer x 3/32" hose barb	MT-45518-42		MT-45504-42		MT-45505-42	
	Male luer x 1/8" hose barb	MT-45518-44		MT-45504-44		MT-45505-44	
	Male luer x 5/32" hose barb	MT-45518-46		MT-45504-46		MT-45505-46	
	Male luer x 3/16" hose barb	MT-45518-48		MT-45504-48		MT-45505-48	
	Male luer x 1/4" hose barb	MT-45518-50		MT-45504-50		MT-45505-50	
R	Snap luer lock ring	MT-45518-74		MT-45504-74		MT-45505-74	
Male slip luer x hose barb adapters (no lock ring)							
S	Male luer x 1/16" hose barb	MT-45518-22		MT-45504-22		MT-45505-22	
	Male luer x 3/32" hose barb	MT-45518-24		MT-45504-24		MT-45505-24	
	Male luer x 1/8" hose barb	MT-45518-26		MT-45504-26		MT-45505-26	
	Male luer x 5/32" hose barb	MT-45518-28		MT-45504-28		MT-45505-28	
	Male luer x 3/16" hose barb	MT-45518-52		MT-45504-52		MT-45505-52	
	Male luer x 1/4" hose barb	MT-45518-54		MT-45504-54		MT-45505-54	

CPC™ Plastic Quick-Disconnect Fittings

Fittings connect in a snap

– Acetal fittings are ideal for use with corrosive fluids
– Polycarbonate and polysulfone materials meet USP Class VI requirements

Simply press the thumb latch to disconnect coupling halves. Polycarbonate and polysulfone materials meet USP Class VI requirements and pass all physicochemical, cytotoxicity, leachables, and extractables tests. Order complete couplings or separate bodies and inserts from the tables below.

Note: Standard bodies and inserts fit together; won't work with large bodies and inserts and vice versa.

FREE certificate of compliance for PC, PSF fittings

Buy More...Save More!
20% off on 100+
15% off on 50 to 99
10% off on 10 to 49 packs

Specifications

Body material	Acetal	Polycarbonate (PC)	Polysulfone (PSF)
Temperature range	–40 to 180°F (–40 to 82°C)	–40 to 250°F (–40 to 121°C)	–40 to 300°F (–40 to 148°C)
Max pressure	120 psi	125 psi†	120 psi
Max vacuum	28" Hg	25" Hg	25" Hg
Sterilization	Autoclave or EtO	Autoclave, EtO, or gamma irradiation	Autoclave, EtO, or gamma irradiation

†Max pressure for ½" polycarbonate fittings is 60 psi.

Complete Couplings

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
A	MT-06360-90	¼" tubing ID	Acetal	—	10	
	MT-31305-00		PC	—	10	
	MT-06360-91	⅜" tubing ID	Acetal	—	10	
	MT-31305-05		PC	—	10	
	MT-31306-05		PSF	—	10	

Standard Bodies and Caps

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
B	MT-06360-94	¼" tubing ID	Acetal	1.31" (33.3 mm)	10	
	MT-31311-11		PC		5	
	MT-31311-21		PSF		5	
	MT-06360-95	⅜" tubing ID	Acetal	1.31" (33.3 mm)	10	
	MT-31311-12		PC		5	
	MT-31311-22		PSF		5	
Hose barb coupling bodies with lock						
C	MT-31311-16	¼" tubing ID	PC	1.31" (33.3 mm)	5	
	MT-31311-26		PSF		5	
	MT-31311-17	⅜" tubing ID	PC	1.31" (33.3 mm)	5	
	MT-31311-27		PSF		5	
BSP straight-through bodies						
D	MT-06360-01	¼" BSP	Acetal	1.31" (33.3 mm)	10	
	MT-06360-02	⅜" BSP			10	
NPT(M) bodies						
E	MT-06360-00	¼" NPT	Acetal	1.31" (33.3 mm)	10	
	MT-06360-96	⅜" NPT			10	
Compression coupling bodies						
F	MT-06360-06	¼" OD	Acetal	1.31" (33.3 mm)	10	
	MT-06360-08	⅜" OD			10	
Sealing caps						
G	MT-31311-64	¼"	PC	1.31" (33.3 mm)	5	
	MT-31311-74	¼"	PSF		5	
Sealing caps with lock						
H	MT-31311-67	¼"	PC	1.31" (33.3 mm)	5	
	MT-31311-77	¼"	PSF		5	

Standard Inserts and Plugs

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed inserts						
I	MT-06360-92	¼" tubing ID	Acetal	1.28" (32.5 mm)	10	
	MT-31311-61		PC		5	
	MT-31311-71		PSF		5	
	MT-06360-93	⅜" tubing ID	Acetal	1.28" (32.5 mm)	10	
	MT-31311-62		PC		5	
	MT-31311-72		PSF		5	
BSP straight-through inserts						
J	MT-06360-27	¼" BSP	Acetal	1.28" (32.5 mm)	10	
	MT-06360-97	⅜" BSP			10	
NPT(M) inserts						
K	MT-06360-16	¼" NPT	Acetal	1.28" (32.5 mm)	10	
	MT-06360-18	⅜" NPT			10	
Compression coupling inserts						
L	MT-06360-21	¼" OD	Acetal	1.28" (32.5 mm)	10	
	MT-06360-24	⅜" OD			10	
Sealing caps						
M	MT-06360-31	¼" OD	Acetal	1.28" (32.5 mm)	10	
	MT-06360-34	⅜" OD			10	
Plugs with lock						
N	MT-31311-68	¼"	PC	1.20" (30.5 mm)	5	
	MT-31311-78	¼"	PSF		5	

Large Bodies and Inserts (use these bodies and inserts together)

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
O	MT-31311-13	½" tubing ID	PC	1.96" (49.8 mm)	5	
	MT-31311-23		PSF		5	
Hose barb coupling bodies with lock						
P	MT-31311-18	⅜" tubing ID	PC	1.96" (49.8 mm)	5	
	MT-31311-28		PSF		5	
Barbed inserts						
Q	MT-31311-63	½" tubing ID	PC	1.90" (48.3 mm)	5	
	MT-31311-73		PSF	1.40" (35.6 mm)	5	

Cole-Parmer® Barbed Fittings

No tools needed for assembly

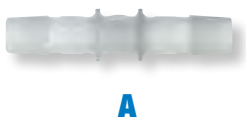
Combine these fittings with our flexible tubing for use in your low-pressure applications (less than 30 psi).

High-Density Polyethylene (HDPE). Very good chemical resistance. Temp range: –65 to 150°F (–53 to 65°C). Sterilize by ethylene oxide.

Nylon. Good chemical resistance. Temp range: –50 to 250°F (–46 to 121°C). Sterilize by ethylene oxide.

Polypropylene (PP). Very good chemical resistance. Temp range: 9 to 180°F (–13 to 66°C). Sterilize by ethylene oxide or gamma irradiation.

PVDF. Excellent chemical resistance. Temp range: –80 to 265°F (–62 to 129°C). Sterilize by ethylene oxide or autoclave.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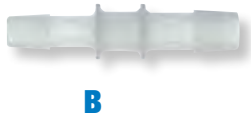
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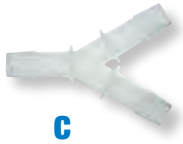
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10% off on 10 to 49 packs

FREE certificate of compliance for these fittings

Tubing ID	HDPE			Nylon			Polypropylene			PVDF		
	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk
A. Straight connectors												
1/16"	MT-40622-47	10		MT-40622-48	10		MT-50622-49	10		MT-40703-00	10	
3/32"	MT-40622-44	10		MT-40622-45	10		MT-50622-46	10		MT-40703-01	10	
1/8"	MT-40622-53	10		MT-40622-54	10		MT-51518-05	10		MT-40703-02	10	
3/16"	MT-30622-55	10		MT-30622-56	10		MT-40622-57	10		MT-30703-04	10	
1/4"	MT-30621-85	10		MT-30621-86	10		MT-40610-00	10		MT-30703-05	10	
3/8"	MT-30621-89	10		MT-30621-90	10		MT-40610-02	10		MT-30703-07	10	
1/2"	MT-30621-92	10		MT-30621-93	10		MT-40610-03	10		MT-30703-08	10	
5/8"	MT-30621-79	10		MT-30621-80	10		MT-40610-04	10		MT-30703-09	10	
3/4"	MT-30621-81	10		MT-30621-82	10		MT-40610-05	5		MT-30703-10	5	
1"	MT-30621-83	10		MT-30621-84	10		MT-40610-06	5		MT-30703-11	5	
B. Reducing connectors												
1/8" x 1/16"	MT-41518-29	10		MT-40622-22	25		MT-50622-23	25		MT-40703-41	10	
1/4" x 1/8"	MT-30622-27	10		MT-30622-28	10		MT-41518-36	10		MT-30703-50	10	
1/4" x 3/16"	MT-30622-29	10		MT-30622-30	10		MT-40622-32	10		MT-30703-52	10	
3/8" x 1/4"	MT-30622-35	10		MT-30703-99	10		MT-40610-08	10		MT-30703-54	10	
1/2" x 1/4"	MT-30622-38	10		MT-30622-39	10		MT-40610-10	10		MT-30703-56	10	
1/2" x 3/8"	MT-30622-42	10		MT-30622-43	10		MT-40610-12	10		MT-30703-58	10	
5/8" x 1/4"	MT-30621-96	10		MT-30621-97	10		MT-40610-13	10		MT-30703-59	10	
5/8" x 1/2"	MT-30622-03	10		MT-30622-04	10		MT-40610-16	10		MT-30703-62	10	
3/4" x 1/2"	MT-30622-09	5		MT-30622-10	5		MT-40610-18	5		MT-30703-64	5	
1" x 1/2"	MT-30622-15	5		MT-30622-16	5		MT-40610-20	5		MT-30703-66	5	
1" x 3/4"	MT-30622-13	5		MT-30622-14	5		MT-40610-22	5		MT-30703-68	5	
C. Y connectors												
1/16"	MT-30726-01	10		MT-30726-21	10		MT-40726-41	10		MT-30703-90	10	
3/32"	MT-30726-02	10		MT-30726-22	10		MT-40726-42	10		MT-30703-91	10	
1/8"	MT-30726-03	10		MT-30726-23	10		MT-40726-43	10		MT-30703-92	10	
3/16"	MT-30726-04	10		MT-30726-24	10		MT-40726-44	10		MT-30726-64	10	
1/4"	MT-30726-05	10		MT-30726-25	10		MT-40726-45	10		MT-30726-65	10	
3/8"	MT-30726-06	10		MT-30726-26	10		MT-40726-46	10		MT-30703-93	10	
1/2"	MT-30726-07	10		MT-30726-27	10		MT-40726-47	10		MT-30703-94	10	
5/8"	MT-30726-08	10		MT-30726-28	10		MT-40726-48	10		MT-30726-68	10	
D. NPT male threaded adapters, NPT(M) x tubing ID												
1/8" x 1/8"	MT-30621-26	10		MT-30621-27	10		MT-40621-28	25		MT-30704-07	10	
1/8" x 1/4"	MT-30621-31	10		MT-30621-32	10		MT-40610-36	10		MT-30704-09	10	
1/4" x 1/8"	MT-30621-42	10		MT-30621-44	10		MT-40621-45	10		MT-30621-43	10	
1/4" x 1/4"	MT-30621-46	10		MT-30621-47	10		MT-40610-38	10		MT-30704-11	10	
3/8" x 1/4"	MT-30621-56	10		MT-30621-57	10		MT-40610-41	10		MT-30704-14	10	
3/8" x 3/8"	MT-30621-62	10		MT-30621-63	10		MT-40610-42	10		MT-30704-15	10	
1/2" x 1/4"	MT-30621-73	10		MT-30621-74	10		MT-40610-44	10		MT-30704-17	10	
1/2" x 3/8"	MT-30621-75	10		MT-30621-76	10		MT-40610-45	10		MT-30704-18	10	
1/2" x 1/2"	MT-30621-77	10		MT-30621-78	10		MT-40610-46	10		MT-30704-19	10	
3/4" x 1/2"	MT-30621-20	10		MT-30621-21	10		MT-40610-50	5		MT-30704-23	5	
3/4" x 3/4"	MT-30621-12	10		MT-30621-13	10		MT-40610-51	5		MT-30704-24	5	
1" x 1"	MT-31517-18	10		MT-30401-34	10		MT-40610-53	5		MT-30704-26	5	

FREE certificate of compliance for noted fittings

Free Certificate of Compliance

Cole-Parmer will provide a certificate of resin or elastomer compliance FREE at your request with each order of fittings, gaskets, or tubing. Certificates list your company's PO number, order reference number, catalog number, formulation, compound number, lot number (where applicable), and the regulations and agencies the fitting, tubing, or gasket complies with, including FDA, USP, USDA, National Formulary, NSF International, GMP, and 3A. Look for the blue "check" icon throughout this catalog to identify when a certificate of compliance is available.

PYREX® Brand 5340 Filtering Flasks

Get maximum performance and durability

- Heavy-wall flasks have maximum mechanical strength
- Graduated for approximate measurements
- Use 10 mm OD tubing for flasks to 1000 mL; 12.5 mm OD for 2000-and 4000-mL sizes
- Case quantities also available

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity (mL)	Stopper no.	Graduation range (mL)	Grad. (mL)	Catalog number	Qty/ pk	Price/ pk
250	6	75 to 250	25	MT-34557-01	6	
500	7	150 to 500	50	MT-34557-02	6	
1000	8	300 to 1000	50	MT-34557-03	6	
2000	9	600 to 2000	200	MT-34557-04	1	
4000	12	1500 to 4000	500	MT-34557-05	1	

Accessories

MT-06414-20 Tygon® vacuum tubing, ⅜" ID (for 10-mm tubulation). 10 ft (3 m)

MT-06414-30 Tygon vacuum tubing, ½" ID (for 12.5-mm tubulation). 10 ft (3 m)

Cole-Parmer® Class A Glass Erlenmeyer Flasks

Don't break the bank

- Easy reading, white enamel graduations
- Stands up to the heat—752°F (400°C) for short-term exposure and 445°F (230°C) for long-term exposure
- Class A borosilicate glass meets ASTM E 1404, DIN 12380 specifications
- Autoclavable

Cole-Parmer®

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity (mL)	Stopper no.	Graduation range (mL)	Graduation (mL)	Catalog number	Qty/ pk	Price/ pk
100	5	50 to 100	25	MT-34506-10	12	
250	6	50 to 200	25	MT-34506-12	12	
500	7	100 to 500	50	MT-34506-14	6	
1000	9	250 to 1000	50	MT-34506-16	6	
2000	10	600 to 1900	100	MT-34506-18	1	
3000	10	1000 to 3000	500	MT-34506-20	1	

PYREX® Brand 4980 Erlenmeyer Flasks

Get tight storage with heavy-duty rim

- Durable white enamel graduations won't rub off
- Easily identify contents with large marking area

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Cap. (mL)	Graduation range (mL)	Catalog number	Qty/pk	Price/pk
25	10 to 25	MT-34503-02	12	
50	20 to 50	MT-34503-03	12	
125	50 to 125	MT-34503-04	12	
250	50 to 200	MT-34503-05	12	
300	100 to 300	MT-34503-06	12	
500	100 to 500	MT-34503-07	6	
1000	250 to 1000	MT-34503-08	6	
2000	600 to 1800	MT-34503-09	1	
4000	1000 to 4000	MT-34503-10	1	
6000	1500 to 6000	MT-34503-11	1	

PYREX® Brand 5580 Volumetric Flasks

Easy and accurate dilutions—sharp line for precise volume

- Durable construction for repeated use
- Class A glassware
- Snap caps included on 10- to 2000-mL sizes

Buy More...Save More!

15% off on 10+ packs or cases
10% off on 5 to 9 packs or cases

Capacity (mL)	Tolerance (±mL)	Catalog number	Qty/ pk	Price/ pk	Catalog number	Qty/ cs	Price/ cs
1	0.01	MT-34560-01	6		MT-34560-21	12	
2	0.015	MT-34560-02	6		MT-34560-22	12	
10	0.02	—	—	—	MT-34560-24	12	
25	0.03	MT-34560-05	6		MT-34560-25	12	
50	0.05	MT-34560-06	6		MT-34560-26	12	
100	0.08	MT-34560-07	6		MT-34560-27	12	
200	0.10	MT-34560-08	6		MT-34560-28	12	
250	0.12	MT-34560-09	6		MT-34560-29	12	
500	0.20	MT-34560-10	6		MT-34560-30	12	
1000	0.30	MT-34560-11	1		MT-34560-31	6	
2000	0.50	MT-34560-12	1		MT-34560-32	4	

KIMAX® Wide-Mouth Volumetric Flasks

Get easier sampling and aliquots

- Wide mouth allows for easier access for pipettes
- Class A for accurate dilutions; flasks 205-mL and under meet ASTM E288 standards
- Autoclavable

Capacity (mL)	Tolerance (±mL)	Stopper no.	Closure handle color for PTFE stopper	Flasks with PTFE stopper			Flasks with glass stopper		
				Catalog number	Qty/cs	Price/cs	Catalog number	Qty/cs	Price/cs
5	0.08	13	Orange	MT-34558-30	6		MT-34558-60	6	
10				MT-34558-32			MT-34558-62		
20				MT-34558-34			MT-34558-64		
25	0.08	13	Orange	MT-34558-36	6		MT-34558-66	6	
50				MT-34558-38			MT-34558-68		
100	0.1	16	Blue	MT-34558-40			MT-34558-70		
200	0.2	19	Green	MT-34558-42	6		MT-34558-72	6	
250				MT-34558-44			MT-34558-74		
500				MT-34558-46			MT-34558-76		
1000	0.3	22	Yellow	MT-34558-48	1		MT-34558-78	1	
2000	0.5	27	Red	MT-34558-50			MT-34558-80		

Symbol used to designate interchangeable joints, stoppers, and stopcocks that comply with the requirements of Commercial Standard CS-21 published by NIST.

PYREX® Brand 5640 Volumetric Flasks

Get accurate dilutions

- Sharp, permanent graduation makes for easier diluting
- Durable, Class A design for longer life
- Easy-to-read white inscriptions
- More sizes and case quantities available

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity (mL)	Tolerance (±mL)	Stopper no.	Catalog number	Qty/pk	Price/pk
25	0.03	9	MT-34505-05	6	
50	0.05	9	MT-34505-06	6	
100	0.08	13	MT-34505-07	6	
200	0.10	13	MT-34505-08	6	
250	0.12	16	MT-34505-09	6	
500	0.20	19	MT-34505-10	6	
1000	0.30	22	MT-34505-11	1	
2000	0.50	27	MT-34505-12	1	

Thermo Scientific™ Nalgene™ Plastic Separatory Funnels, PP and FEP

No leaks or lubrication

- PTFE stopcock assembly can be chemically disinfected
- FEP is more translucent than PP

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Closure size	Stem length	Stem OD	Catalog number	Qty/pk	Price/pk
Polypropylene (PP) body with polypropylene screw closure						
125 (4)	28 mm	65 mm	8.5 mm	MT-06126-10	1	
250 (8)	33 mm			MT-06126-20		
500 (16)	43 mm			MT-06126-50		
1000 (32)	53 mm			MT-06126-60		
FEP body with ETFE screw closure						
125 (4)	28 mm	65 mm	8.5 mm	MT-06125-10	1	
250 (8)	33 mm			MT-06125-20		
500 (16)	43 mm			MT-06125-50		
1000 (32)	53 mm			MT-06125-60		
2000 (64)	53 mm			MT-06125-70		

PYREX® Brand 6402 Separatory Funnels

Excellent chemical resistance

- Pyrex stopper, PTFE stopcock
- No freezing or grease contamination from stopcock
- Case quantities also available

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity mL (oz)	stopper no.	stopper plug size	Approx height (mm)	Catalog number	Qty/pk	Price/pk
60 (2)	16	2	225	MT-34506-01	1	
125 (4)	22	2	280	MT-34506-02		
250 (8)	22	4	311	MT-34506-03		
500 (16)	27	4	355	MT-34506-04		
1000 (32)	27	4	392	MT-34506-25	1	
2000 (64)	38	6	496	MT-34506-26		
4000 (128)	38	8	575	MT-34506-27		
6000 (200)	38	10	600	MT-34506-28		

Vented Funnels, PP

No more air lock for easier funneling

- No messy cleanup—disposable for easier sampling
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Top OD	Stem OD	Total height	Catalog number	Qty/pk	Price/pk
40 (1⅓)	58 mm	6 mm	70 mm	MT-06124-10	100	
50 (1¾)	67 mm	6 mm	81 mm	MT-06124-20	100	

Utility Funnels, PP and HDPE

Get easy, economical funneling

- Ideal for general use or powders
- PP versions are autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Top OD	Stem OD	Total height	Qty/pk	Catalog number	Price/pk
Polypropylene (PP), autoclavable						
70 (2)	2¾"	⅜"	2 1/16"	12	MT-06122-10	
125 (4)	3¼"	5/16"	3¾"	12	MT-06122-20	
250 (8)	4¼"	7/16"	4 1/16"	12	MT-06122-30	
High-density polyethylene (HDPE)						
500 (16)	5"	½"	5⅛"	12	MT-06122-40	
1000 (32)	6½"	15/16"	7⅞"	12	MT-06122-50	
2000 (64)	8⅛"	¾"	8"	12	MT-06122-60	

Large Industrial-Size Funnels, LDPE, PP, and HDPE

Quick, easy transfer of large quantities

- LDPE funnels have external ribbing for easy air release and a handle tab for easier lifting
- PP and HDPE funnels are translucent

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity L (gal.)	Top OD	Stem OD	Total height	Catalog number	Qty/pk	Price/pk
Low-density polyethylene (LDPE)						
1.5 (⅜)	7 5/8"	¾"	9 1/2"	MT-06121-10	1	
4 (1)	11"	⅞"	11 1/2"	MT-06121-20		
Polypropylene (PP), autoclavable						
2 (½)	8 3/16"	1 1/16"	7⅞"	MT-06121-30	1	
4.5 (1¼)	10 1/4"	1 5/16"	10 3/16"	MT-06121-32		
10 (2½)	14"	1 9/16"	17 3/8"	MT-06121-34		
High-density polyethylene (HDPE)						
12 (3¼)	15 3/8"	1⅞"	14 3/8"	MT-06121-00	1	
18 (5)	17 1/4"	1¾"	16 3/8"	MT-06121-36		

Cole-Parmer® Plastic Büchner Funnels, HDPE and PP

Get quick, economical vacuum filtration

- Easy sterilization: HDPE by gas, PP by autoclave or gas

Cole-Parmer®

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Filter size (mm)	Catalog number	Qty/pk	Price/pk
High-density polyethylene (HDPE)			
42.5	MT-06128-02	1	
55	MT-06128-03	1	
Polypropylene (PP), autoclavable			
90	MT-06128-04	1	
110	MT-06128-05	1	
150	MT-06128-10	1	
240	MT-06128-20	1	

CoorsTek® Büchner Funnels, Ceramic

Stand up to harsh chemicals

- Glazed inside and out for easy cleaning
- Autoclavable

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity (mL)	Filter dia (mm)	Catalog number	Qty/pk	Price/pk	Catalog number	Qty/cs	Price/cs
2	13	MT-17815-02	1		MT-17815-22	12	
30	35–40	MT-17815-04	1		MT-17815-24	12	
87	50–55	MT-17815-06	1		MT-17815-26	8	
186	70	MT-17815-08	1		MT-17815-28	6	
320	90	MT-17815-10	1		MT-17815-30	4	
550	110	MT-17815-12	1		MT-17815-32	4	
700	110–124	MT-17815-14	1		MT-17815-34	2	
1060	142–150	MT-17815-16	1		MT-17815-36	2	
1860	185	MT-17815-18	1		MT-17815-38	2	
4500	240	—	—	—	MT-17815-40	1	

Cole-Parmer® Funnels, 304 SS (medium gauge)

No wimpy construction—stands up to your needs

- Tab for easy lifting

Cole-Parmer®

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity mL (oz)	Top OD	Total height	Catalog number	Qty/pk	Price/pk
70 (2⅜)	3"	3¼"	MT-07263-00	1	
190 (6⅜)	4⅛"	4⅜"	MT-07264-00		
400 (13)	5"	5⅜"	MT-07265-00		
650 (22¼)	6"	6⅜"	MT-07266-00	1	
1000 (32)	6¾"	7¼"	MT-07267-00		
2000 (64)	8⅜"	8⅜"	MT-07268-00		

Cole-Parmer® StableTemp™ Silicone Rubber Heating Tapes with Control

No need for a separate controller

– Choice of time percentage control or thermostat control

Tapes are made of fine-strand resistance wires that are double insulated with braided fiberglass and knitted into flat tapes; then completely enclosed in high-strength, high-temperature-resistant silicone rubber.

Time percentage controller regulates the time heater is on and off.

Thermostat controller 03106-90

StableTemp

Warning: Heating tapes should not be overlapped. For thermostat control tapes, the sensor box must make surface contact with the object being heated.

Watts	Dimensions				Max exposure temperature	120 VAC tapes	
	Length		Width			Catalog number	Price
Time percentage control (regulates the length of time the heater is on and off)							
288	8 ft	2.4 m	½"	1.3 cm	450°F (232°C)	MT-03106-35	
360	10 ft	3 m	½"	1.3 cm	450°F (232°C)	MT-03106-36	
144	2 ft	0.6 m	1"	2.5 cm	450°F (232°C)	MT-36001-52	
288	4 ft	1.2 m	1"	2.5 cm	450°F (232°C)	MT-36001-54	
432	6 ft	1.8 m	1"	2.5 cm	450°F (232°C)	MT-36001-56	
576	8 ft	2.4 m	1"	2.5 cm	450°F (232°C)	MT-36001-58	
720	10 ft	3 m	1"	2.5 cm	450°F (232°C)	MT-36001-60	
Thermostat control (regulates the temperature from 50 to 425°F)							
72	2 ft	0.6 m	½"	1.3 cm	425°F (218°C)	MT-03106-90	
144	4 ft	1.2 m	½"	1.3 cm	425°F (218°C)	MT-03106-91	
432	6 ft	1.8 m	1"	2.5 cm	425°F (218°C)	MT-03106-97	
720	10 ft	3 m	1"	2.5 cm	425°F (218°C)	MT-03106-99	

Digi-Sense® Benchtop Temperature Control Consoles

Direct plug in of devices

Probe not included

DIGI-SENSE

TC9000 Model

– Simple on/off to sophisticated PID control

– Simultaneous view of both the measured and set point on the two-line alphanumeric display

– Offset function allows you to correct for probe error

TC9500 Data Logging Model Adds:

– Ramp rate and ramp-and-soak profiling for more complicated processes

– USB computer interface and free software that features real-time graphing and programming setup

– Data log more than 100 K data points in adjustable increments from 1 second to 999 seconds

Model	Control output (50/60 Hz)†	Control output load	Power†	Catalog number	Price
TC9000 (thermocouple)	120 VAC	15 A max	120 VAC	MT-89800-01	
	240 VAC	105 A max	230 VAC	MT-89800-02	
TC9500 (thermocouple, thermistor, RTD)	120 VAC	15 A max	120 VAC	MT-89800-03	
	240 VAC	10 A max	230 VAC	MT-89800-04	

†For 230 VAC models the power and heater/cooler output uses IEC plugs. You may need to order an adapter sold separately, for your local requirements.

MT-17101-63 **NIST-traceable calibration** with data

BriskHeat® Dual-Element Heating Tapes with Controller

Convenient heating system—no extra wiring needed

– Extremely flexible tape wraps around a wide array of tubing and vessels

– Easily regulate temperature with compact controller—Fahrenheit or Celsius display available

Flexible heating tape is made of two heating elements that are knitted together in series and then wound together with high-temperature Samox® fiberglass. Digital benchtop temperature controller provides basic on/off control with ±1% FS accuracy, and connects to tape without any additional wiring. 120 VAC operation.

Warning: Heating tapes should not be overlapped.

What's included: heating tape with standard 2-prong plug and reusable tie straps; and temperature controller with factory-installed type J thermocouple sensor, 5-ft (1.5-m) L input power cord, and output receptacle cord.

Watts	Tape dimensions		Temperature controller, 0 to 999°F		Temperature controller, 0 to 600°C	
	Length	Width	Catalog number	Price	Catalog number	Price
156	2 ft (0.6 m)	½" (1.3 cm)	MT-36003-64		MT-36003-48	
312	4 ft (1.2 m)	½" (1.3 cm)	MT-36003-66		MT-36003-50	
468	6 ft (1.8 m)	½" (1.3 cm)	MT-36003-68		MT-36003-52	
624	8 ft (2.4 m)	½" (1.3 cm)	MT-36003-70		MT-36003-54	
780	10 ft (3 m)	½" (1.3 cm)	MT-36003-72		MT-36003-56	
312	2 ft (0.6 m)	1" (2.5 cm)	MT-36003-74		MT-36003-58	
624	4 ft (1.2 m)	1" (2.5 cm)	MT-36003-76		MT-36003-60	
936	6 ft (1.8 m)	1" (2.5 cm)	MT-36003-78		MT-36003-62	

IKA® T25 ULTRA-TURRAX® Digital High-Speed Homogenizer

Choose from five generators with 1 to 2000 mL sample volumes

- Ideal for tough solids or large-volume samples
- Generators are made of 316 stainless steel and PTFE, providing excellent chemical compatibility

This system is ideal for batch homogenizing of cell tissues, emulsifying suspended solids, and air pollution filter extraction. The key component is the rotor-stator generator. (Order rotor-stator generators separately below.) Shielded in a 316 stainless steel shaft, the rotor acts as a centrifugal pump to recirculate the liquid and suspended solids through the generator, where shear, impact, collision, and cavitation provide rapid homogenization.

What's included: 10-ft (3-m) power cord (the 115 VAC model has a standard US plug; the 230 VAC model has a European plug).

REQUIRED System Components

1) Homogenizer
2) Rotor-stator generator
3) Stand and clamps

1. Homogenizer

Description	Homogenizer	
Catalog number	MT-04739-21	MT-04739-22
Speed range	500 to 25,000 rpm	
Batch volume range	1 to 2000 mL	
Noise rating	73 dB	
Speed adjustment	Stepless	
Wattage	800 input, 500 output	
Power	115 VAC, 50/60 Hz	220 VAC, 50/60 Hz
Price		

2. Rotor-Stator Generators

Specifications

Solution compatibility: Aqueous and organic
Wetted materials: PTFE, 316 SS
Max temp: 302°F (150°C)

Sample volume range	Ultimate fineness	Dimensions (L x OD)	Catalog number	Price
1 to 50 mL	10 µm	108 x 8 mm	MT-04720-11	
1 to 100 mL	10 µm	105 x 10 mm	MT-04720-10	
10 to 1500 mL	10 µm	194 x 18 mm	MT-04720-12	
50 to 2000 mL	10 µm	194 x 25 mm	MT-04719-52	
100 to 2000 mL	5 µm	194 x 25 mm	MT-04719-53	

3. Stands and Clamps

MT-50703-90 **Plate stand,** 22" high
MT-50703-91 **Plate stand,** 31½" high
MT-50703-92 **Plate stand,** 39½" high
MT-50703-96 **Boss head clamp**
MT-50703-70 **Strap clamp**

Cole-Parmer® LabGEN® 7 Homogenizer

Ergonomic, lightweight design

- No more wasted time—processes 0.25- to 30-mL samples in less than one minute
- No more hand stress—lightweight unit is easy to clean and disassemble
- Powerful, yet quiet—variable speed from 5000 to 35,000 rpm

The LabGEN 7 homogenizer operates with a powerful 125-watt motor; ideal for most tissue samples. Use as a handheld unit or mount to the optional stand for constant operation.

What's included: 7-mm generator probe and tool kit.

LabGEN

Sample volume	Probe included (L x dia)	Power	Catalog number	Price
0.25 to 30 mL	3⅛" x 7⁄64" (85 x 7 mm)	115 VAC	MT-04727-06	
		220 VAC	MT-04727-07	

MT-04727-16 **Homogenizer stand**

Cole-Parmer® LabGEN® 125 Homogenizer Kits

No more cross-contamination—disposable probes, easy cleanup

- Get done faster—powerful motor processes at 5000 to 30,000 rpm
- Versatile probes are easy to remove—ideal for RNA, DNA, or PCR samples to 30 mL
- Save money—plastic probes can be autoclaved and reused

For additional functionality and processing samples up to 10 L, units also accept stainless steel rotor-stator generators (order separately at ColeParmer.com).

What's included: 12 plastic tip probes, tip adapter, and storage case.

LabGEN

Sample volume	Plastic tip probes included	Power	Catalog number	Price
0.25 to 30 mL	12 hard tissue	115 VAC, 50/60 Hz	MT-04727-11	
		220 VAC, 50/60 Hz	MT-04727-12	
	12 soft tissue	115 VAC, 50/60 Hz	MT-04727-13	
		220 VAC, 50/60 Hz	MT-04727-14	

MT-04727-89 **Homogenizer stand** with support rod
MT-04727-90 **Additional motor support rod**

Oakton® Thermohygrometer with Digital Thermometer

No maintenance

- Remains accurate and stable without adjustments
- Switchable °F/°C scale
- Corrosion-resistant ABS plastic

What's included: one AA battery, mounting bracket, and screws.

OAKTON

CE

Mode	Humidity	Temperature
Cat. no.	MT-35700-00	
Range	20 to 100%	0 to 160°F (–18 to 72°C)
Resolution	2%	0.1°F (0.1°C)
Accuracy	±4%, 20 to 90%; ±8%, 90 to 100%	±1.8°F (±1.0°C)
Response time	1 minute	
Power	One AA battery (included)	
Price		

MT-09376-01 **Replacement batteries,** AA. Pack of 4
MT-17030-28 **NIST-traceable calibration** with data for standard thermohygrometers

Extech® Big-Digit Thermohygrometers

No more squinting

- Super-large LCD with 1" digits
- Simultaneously displays humidity and temperature

Unit features a Min/Max function that displays the highest and lowest readings from when the reset button was last pressed, and °F/°C selection.

What's included: wall mounting bracket, built-in desk stand, and one AAA battery.

CE

Specifications

Mode	Humidity	Temperature
Range	10 to 99%	14 to 140°F (–10 to 60°C)
Resolution	2%	0.1°F (0.1°C)
Accuracy†	±5% RH within 25 to 85% RH	±1.8°F from 14 to 122°F (±1.0°C from –10 to 50°C)
Power	One AAA battery (included)	

†Accuracy at 32 to 122°F (0 to 50°C).

Description	Cat. no.	Price
Thermohygrometer with built-in sensor	MT-37802-10	
Thermohygrometer with remote probe	MT-37809-16	
Thermohygrometer with remote probe and dew point	MT-37803-26	
Indoor/outdoor thermohygrometer with built-in sensor and remote probe	MT-37809-15	

MT-17030-28 **NIST-traceable calibration** with data for standard thermohygrometers

Extech® Compact Humidity and Temperature Indicator

Don't let heat and moisture levels get out of hand

- Easily monitors humidity and temperature (°F) in either enclosed or open spaces
- Accurate to ±5% RH, ±2°F

Indicator displays current temperature and humidity and can recall maximum/minimum measurements since being turned on. Additional features include memory clear function and low-battery indication.

What's included: Built-in tilt stand and LR44 battery.

CE

Specifications

Parameters	Range	Resolution	Accuracy
Humidity	10 to 99% RH	0.1%	±5% from 35 to 75% RH, ±6% remaining range
Temperature	14 to 140°F	0.1°	±2°F

Description	Catalog number	Price
Compact humidity and temperature indicator	MT-39759-08	

MT-09376-14 **Replacement LR44 battery**
MT-17030-28 **NIST-traceable calibration** with data

Extech® Big-Digit Thermohygrometer with Dew Point and Alarm

Maintain your desired humidity

37803-26

- % RH audible and visual alarms, with adjustable set points, alert when humidity exceeds set limit
- Large, easy-to-read triple LCD displays % relative humidity, temperature, and dew point
- Min/Max with reset function
- Model 445815 features a probe that clips onto meter or extends on 18" (457 mm) cable

What's included: Sensor probe, mounting bracket, and AAA battery.

CE

Specifications

Parameters	Range	Resolution	Accuracy
Humidity	10 to 99%	1%	±4% of reading
Temperature	14 to 140°F (–10 to 60°C)	0.1°F (0.1°C)	±1.8°F (±1°C)
Dew point	Calculated from the information gathered from the sensors		

Description	Catalog number	Price
Thermohygrometer with dew point	MT-37809-17	
Thermohygrometer with dew point, with remote probe	MT-37803-26	

MT-09376-00 **Replacement batteries,** AAA. Pack of 12
MT-17030-28 **NIST-traceable calibration** with data

H-B Instrument DURAC® Specific Gravity Glass Hydrometers

- Temperature standard is 60°F (15.6°C)
- Plain form hydrometers are individually serialized for easy identification
- Ensure accuracy with multi-language statement of accuracy supplied by manufacturer
- All hydrometers are 100% non-mercury

Precision Hydrometers, plain form, have 0.0005 divisions and feature metal ballast.

ASTM Hydrometers, plain form, are designed to conform to the accuracy requirements of ASTM, and have their scales affixed using a clear epoxy for increased durability. Feature metal ballast.

Precision Hydrometers, combined form, fuse together a hydrometer and thermometer into one convenient unit. These thermohydrometers have an organic performance liquid that is 100% mercury free and feature wax paraffin and steel shot ballast.

For Liquids Lighter than Water

General-Purpose Hydrometers, plain form

Range	Divisions	Length	Catalog number	Price
0.600 to 0.670	0.001	165 mm	MT-08298-46	
0.640 to 0.710	0.001	165 mm	MT-08298-47	
0.650 to 1.000	0.005	300 mm	MT-08299-09	
0.690 to 0.800	0.002	165 mm	MT-08298-11	
0.700 to 0.770	0.001	165 mm	MT-08298-17	
0.700 to 0.810	0.001	300 mm	MT-08298-27	
0.760 to 0.830	0.001	165 mm	MT-08298-19	
0.790 to 0.900	0.002	165 mm	MT-08298-13	
0.800 to 0.910	0.001	300 mm	MT-08298-29	
0.820 to 0.890	0.001	165 mm	MT-08298-21	
0.880 to 0.950	0.001	165 mm	MT-08298-23	
0.890 to 1.000	0.002	165 mm	MT-08298-15	
0.900 to 1.000	0.001	300 mm	MT-08298-31	
0.940 to 1.010	0.001	165 mm	MT-08298-25	

Precision Hydrometers, plain form

Range	Divisions	Length	Catalog number	Price
0.600 to 0.670	0.0005	325 mm	MT-08298-51	
0.640 to 0.710	0.0005	325 mm	MT-08298-53	
0.700 to 0.770	0.0005	325 mm	MT-08298-55	
0.760 to 0.830	0.0005	325 mm	MT-08298-57	
0.820 to 0.890	0.0005	325 mm	MT-08298-59	
0.880 to 0.950	0.0005	325 mm	MT-08298-61	
0.940 to 1.010	0.0005	325 mm	MT-08298-63	

ASTM Hydrometers, plain form

ASTM no.	Range	Divisions	Length	Catalog number	Price
82H	0.650 to 0.700	0.0005	330 mm	MT-08297-81	
83H	0.700 to 0.750	0.0005	330 mm	MT-08297-83	
84H	0.750 to 0.800	0.0005	330 mm	MT-08297-85	
85H	0.800 to 0.850	0.0005	330 mm	MT-08297-87	
86H	0.850 to 0.900	0.0005	330 mm	MT-08297-89	
87H	0.900 to 0.950	0.0005	330 mm	MT-08297-91	
88H	0.950 to 1.000	0.0005	330 mm	MT-08297-93	
89H	1.000 to 1.050	0.0005	330 mm	MT-08297-95	
102H	0.650 to 0.700	0.001	260 mm	MT-08297-97	
103H	0.700 to 0.750	0.001	260 mm	MT-08297-99	
104H	0.750 to 0.800	0.001	260 mm	MT-08298-01	
105H	0.800 to 0.850	0.001	260 mm	MT-08298-03	
106H	0.850 to 0.900	0.001	260 mm	MT-08298-05	
107H	0.900 to 0.950	0.001	260 mm	MT-08298-07	
108H	0.950 to 1.000	0.001	260 mm	MT-08298-09	

Precision Hydrometers, combined form

Range	Divisions	Temperature range	Divisions	Length	Catalog number	Price
0.700 to 0.810	0.001	0 to 150°F	2°F	381 mm	MT-08297-57	
0.800 to 0.910	0.001	0 to 150°F	2°F	381 mm	MT-08297-59	
0.900 to 1.000	0.001	0 to 150°F	2°F	381 mm	MT-08297-61	

For Liquids Heavier than Water

General-Purpose Hydrometers, plain form

Range	Divisions	Length	Catalog number	Price
1.000 to 1.070	0.001	165 mm	MT-08298-60	
1.000 to 1.220	0.002	300 mm	MT-08298-84	
1.000 to 1.250	0.005	165 mm	MT-08298-50	
1.000 to 1.600	0.005	300 mm	MT-08298-80	
1.000 to 2.000	0.01	300 mm	MT-08298-94	
1.060 to 1.130	0.001	165 mm	MT-08298-62	
1.120 to 1.190	0.001	165 mm	MT-08298-64	
1.180 to 1.250	0.001	165 mm	MT-08298-66	
1.200 to 1.420	0.002	300 mm	MT-08298-86	
1.200 to 1.450	0.005	165 mm	MT-08298-52	
1.240 to 1.310	0.001	165 mm	MT-08298-68	
1.300 to 1.370	0.001	165 mm	MT-08298-70	
1.360 to 1.430	0.001	165 mm	MT-08298-48	
1.400 to 1.620	0.002	300 mm	MT-08298-88	
1.400 to 1.650	0.005	165 mm	MT-08298-54	
1.420 to 1.490	0.001	165 mm	MT-08298-72	
1.480 to 1.550	0.001	165 mm	MT-08298-74	
1.540 to 1.610	0.001	165 mm	MT-08298-76	
1.500 to 2.000	0.005	300 mm	MT-08298-82	
1.600 to 1.670	0.001	165 mm	MT-08298-78	
1.600 to 1.820	0.002	300 mm	MT-08298-90	
1.600 to 1.850	0.005	165 mm	MT-08298-56	
1.660 to 1.730	0.001	165 mm	MT-08298-49	
1.720 to 1.790	0.001	165 mm	MT-08294-91	
1.780 to 1.850	0.001	165 mm	MT-08294-93	
1.800 to 2.000	0.002	300 mm	MT-08298-92	
1.800 to 2.000	0.001	165 mm	MT-08298-58	
1.840 to 1.920	0.001	165 mm	MT-08294-95	
1.900 to 1.970	0.001	165 mm	MT-08298-96	
1.970 to 2.040	0.001	165 mm	MT-08298-97	

Precision Hydrometers, plain form

Range	Divisions	Length	Catalog number	Price
1.000 to 1.070	0.0005	325 mm	MT-08298-65	
1.060 to 1.130	0.0005	325 mm	MT-08298-67	
1.120 to 1.190	0.0005	325 mm	MT-08298-69	
1.180 to 1.250	0.0005	325 mm	MT-08298-71	
1.240 to 1.310	0.0005	325 mm	MT-08298-73	
1.300 to 1.370	0.0005	325 mm	MT-08298-75	
1.360 to 1.430	0.0005	325 mm	MT-08298-77	
1.420 to 1.490	0.0005	325 mm	MT-08298-79	
1.480 to 1.550	0.0005	325 mm	MT-08298-81	
1.540 to 1.610	0.0005	325 mm	MT-08298-83	
1.600 to 1.670	0.0005	325 mm	MT-08298-85	
1.660 to 1.730	0.0005	325 mm	MT-08299-01	
1.720 to 1.790	0.0005	325 mm	MT-08298-87	
1.780 to 1.850	0.0005	325 mm	MT-08298-89	
1.840 to 1.920	0.0005	325 mm	MT-08299-03	

ASTM Hydrometers, plain form

ASTM no.	Range	Divisions	Length	Catalog number	Price
125H	1.000 to 1.050	0.001	260 mm	MT-08297-80	
126H	1.050 to 1.100	0.001	260 mm	MT-08297-82	
127H	1.100 to 1.150	0.001	260 mm	MT-08297-84	
128H	1.150 to 1.200	0.001	260 mm	MT-08297-86	
129H	1.200 to 1.250	0.001	260 mm	MT-08297-88	
130H	1.250 to 1.300	0.001	260 mm	MT-08297-90	
131H	1.300 to 1.350	0.001	260 mm	MT-08297-92	
133H	1.400 to 1.450	0.001	260 mm	MT-08297-94	

Precision Hydrometers, combined form

Range	Divisions	Temperature range	Divisions	Length	Catalog number	Price
1.000 to 1.220	0.002	0 to 150°F	2°F	381 mm	MT-08297-63	
1.200 to 1.420	0.002	0 to 150°F	2°F	381 mm	MT-08297-65	
1.400 to 1.620	0.002	0 to 150°F	2°F	381 mm	MT-08297-67	
1.600 to 1.820	0.002	0 to 150°F	2°F	381 mm	MT-08297-69	
1.800 to 2.000	0.002	0 to 150°F	2°F	381 mm	MT-08299-07	

For Liquids Considerably Heavier than Water

General-Purpose Hydrometers, plain form

Range	Divisions	Length	Catalog number	Price
2.000 to 3.000	0.01	300 mm	MT-08298-98	

Cole-Parmer® Digital Batch Mixer

Tackle volumes up to 55 gallons

NEW

- Touch-screen control—use a gloved hand or pencil tip
- Two-speed transmission provides smooth, quiet operation
- Through shaft offers flexibility of easy impeller positioning and range of vessel sizes
- PC/PLC connectivity helps you automate your process
- Automatic data logging eliminates manual data recording and errors

Ideal for Lab or Industrial use

Designed for both large-scale laboratory applications and small-scale industrial use, this digital batch mixer is the first of its kind. Laboratory workers will save time with the efficiency of using one mixer equipped with both the control of a lab mixer and the power of a batch mixer. Industrial users will appreciate the ability to select time and speed, and view parameters in real time with the digital touch-screen display.

This portable batch mixer delivers enough power to mix up to 55 gallons (200 L) and viscosity up to 180,000 cps. An enclosed fan-cooled brushless DC motor maintains a constant power transfer to the shaft at speeds up to 1500 rpm. The RS-232 and USB interfaces record date, time, speed, and torque data. Other functions include alarms, timers, torque zero, torque min/max setting, and clockwise and counterclockwise rotation.

Safety features include a shaft/check guard, chemical-resistant housing, and overload, overheat and vibration protection. A safety screen protects the display from splashes.

Specifications

Speed: 50 to 1500 rpm
Max volume: 55 gal (200 L)
Max torque: 4248 in-oz (3000 N-cm)
Connectivity ports: USB, DB9, isolated analog 4 to 20 mA
Rotation direction: clockwise and counterclockwise
Ambient temperature operation: 41 to 104°F (5 to 40°C)

What's included: chuck (accepts up to ⅝" dia shafts), chuck key, shaft guard, installed screen protector, memory stick, mounting bolts, and power cord.

Description	Power	Catalog number	Price
Cole-Parmer digital batch mixer	120 VAC, 60 Hz	MT-50009-00	

MT-50019-94 Stainless steel plate mount
MT-50019-96 Stainless steel multiposition C-clamp set
MT-50019-97 Replacement stainless steel chuck with key, 16-mm shaft diameter
MT-50019-98 Replacement chuck shaft guard
MT-50019-99 Replacement stainless steel chuck key
MT-04600-23 Portable mixer lift stand, 39 to 57" height

Cole-Parmer® Digital Reversing Mixer

Time your cycles for more efficient mixing

- Won't lose speed—brushless, 142 in-oz torque motor maintains speed
- Minimize aeration and vortexing—reversing feature alters mixing pattern for better mixing
- No more moving mixer head to change impeller depth—through-shaft housing for easier positioning
- No more motor burn out—overload protection if torque exceeds ratings
- See what you're mixing—integrated sample light illuminates sample area

Mix samples up to 20,000 cps or up to 6.6 gallons (25 liters) easily and effectively. Repeat mixing conditions accurately with LED display, with control to ±1 rpm or 3% of reading. Set timer from 1 to 2000 minutes, with audible alert when complete.

Mixer includes: mixer head, adjustable chuck (accepts rod up to ⅜" [9.5 mm] dia), chuck key, mounting support rod, external power supply, and grounded power cord with plug assembly.

Complete system adds: propeller/shaft, support stand, and clamp.

Complete system 50004-10 includes mixer, support stand, clamp, and mixer propeller.

Cole-Parmer®

Description	Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price
Mixer only	40 to 2010	1/10	142	100 to 230, 50/60	MT-50004-00	
Complete system					MT-50004-10	

MT-17050-03 **NIST-traceable calibration** for mixers

Stir-Pak® Heavy-Duty Mixer Systems

Easily customize to your needs

1. Speed Controller

- Simple controls—speed adjustment knob and separate "forward/off/reverse" switch
- Reduce gear failure with torque limiting protection

2. Mixer Heads

- Don't limit your mixing angle—adjustable tilt from 0 to 30° for proper propeller placement
- Maintenance-free, rugged motor
- For more viscous or larger samples, choose a high-torque, low-speed mixer head with keyless chuck
- For lower viscosity samples, use a high-speed low-torque mixer head with through shaft for easy shaft positioning

Complete systems include: speed controller, mixer head, shaft, propeller, clamp and stand.

REQUIRED System Components

1) Speed controller
2) Mixer head
or choose complete system

Stir-Pak high-speed, low-torque mixer system 50007-32

1. Speed controller			2. Mixer heads						Complete systems	
Power (VAC, Hz)	Catalog number	Price	Description	Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price	Catalog number	Price
115, 50/60	MT-50007-00		High torque, low speed; with keyless chuck	2 to 180	1/15	340	115, 50/60	MT-50007-10		MT-50007-12	
230, 50/60	MT-50007-05						230, 50/60	MT-50007-15		MT-50007-17	
115, 50/60	MT-50007-00			9 to 900	1/15	70	115, 50/60	MT-50007-20		MT-50007-22	
230, 50/60	MT-50007-05						230, 50/60	MT-50007-25		MT-50007-27	
115, 50/60	MT-50007-00		High speed, low torque; with adjustable through-shaft collet	23 to 2300	1/10	45	115, 50/60	MT-50007-30		MT-50007-32	
230, 50/60	MT-50007-05						230, 50/60	MT-50007-35		MT-50007-37	
115, 50/60	MT-50007-00			60 to 6000	1/10	17	115, 50/60	MT-50007-40		MT-50007-42	
230, 50/60	MT-50007-05						230, 50/60	MT-50007-45		MT-50007-47	

IKA® RW 20 Digital Dual-Range Mixer

Two speed ranges for a variety of applications

- No difficult controls—easy-to-use knob and LED display for accurate setting
- No need to move mixer head to reposition propeller—through-shaft design allows for easy movement
- Maintenance-free motor for continuous duty

Use this versatile, affordable mixer for liquid volumes up to 5 gallons (18.9 liters) and viscosities up to 10,000 cps (approximately the viscosity of honey). Select speed from 60 to 2000 rpm in two ranges for a variety of applications.

Complete system includes: mixer, chuck (accepts up to ⅜" [10 mm] dia shafts), 6¼"L x ½" dia (159 mm L x 10 mm dia) mounting rod, four-blade propeller mixer stand, and clamp.

Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price
60 to 500/240 to 2000	1/25	259	115, 50/60	MT-50705-00	
			230, 50/60	MT-50705-10	

IKA® EUROSTAR Digital Constant-Speed Mixers

Speed won't change even as viscosity does

- Automatic adjustment to desired speed with unique continuous speed comparison
- No need to move mixer head to remove samples—through-shaft design for impeller adjustments
- Worry-free operation—maintenance-free motor with overload protection
- Handle even large samples—up to 26.4 gallons (100 liters)

EUROSTAR 60 Digital Mixer (50704-20 and -25) handles volumes up to 10.6 gallons (40 liters) and viscosities up to 50,000 cps.

EUROSTAR 100 Digital Mixer (50704-30 and -35) will mix volumes up to 26.4 gallons (100 liters) and viscosities up to 70,000 cps.

What's included: chuck (accepts up to ⅜" [10 mm] dia shaft) and 6¼"L x ½" dia (159 mm x 13 mm) mounting rod.

Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price
Eurostar 60 digital mixer					
30 to 2000	3/16	85	115, 50/60	MT-50704-20	
			230, 50/60	MT-50704-25	
Eurostar 100 digital mixer					
30 to 1300	1/5	142	115, 50/60	MT-50704-30	
			230, 50/60	MT-50704-35	

IKA® EUROSTAR Digital Mixers

Mix viscous samples up to 30,000 cps

- Speed won't change even as viscosity changes
- Won't overheat—thermal overload shut-off for safety
- Maintenance-free design for continuous duty

EUROSTAR 20 Digital Mixer handles volumes up to 4 gallons (15 liters) and viscosities up to 10,000 cps.

EUROSTAR 40 Digital Mixer will mix volumes up to 6.6 gallons (25 liters) and viscosities up to 30,000 cps.

What's included: chuck (accepts up to ⅜" [10 mm] dia shaft) and 6¼"L x ½" dia (159 mm x 13 mm) mounting rod.

Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price
Eurostar 20 digital mixer					
30 to 2000	1/16	28.3	115, 50/60	MT-50702-30	
			230, 50/60	MT-50702-35	
Eurostar 40 digital mixer					
30 to 2000	1/8	56.6	115, 50/60	MT-50702-40	
			230, 50/60	MT-50702-45	

IKA® RW 47 Digital Pilot-Process Mixer

Mix large, viscous batches with ease

- Two speed ranges for intensive mixing up to 100,000 cps
- Stir volumes up to 52 gallons (200 liters)
- Precisely set parameters with clear LED display
- Eliminate the chance of overheating and maintain safe operation with thermal overload protection

What's included: chuck (accepts up to ⅝" [16 mm] dia shaft). Note: cable and plug are not included; unit to be wired on-site according to local ordinances.

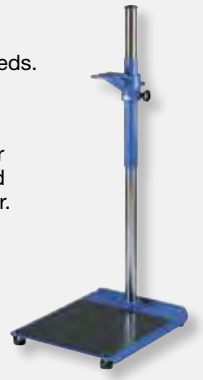
Complete system adds: four-blade propeller 50702-90 and telescopic mixer stand 50702-95.

Description	Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz, phase)	Catalog number	Price
Mixer only	57 to 275/ 275 to 1300	⅝	4248	230, 60, 3	MT-50702-80	
Complete system					MT-50702-85	

Accessories

(included in complete system)

Four-Blade Propeller Assembly. Standard stirring element for drawing the material to be mixed from the top to the bottom. Local shearing forces. Generates axial flow in the vessel. Use at medium to high speeds.



Telescopic Mixer Stand features a pneumatic spring for effortless raising and lowering of the mixer.

Description	Cat. no.	Price
Four-blade propeller	MT-50702-90	
Telescopic mixer stand	MT-50702-95	

IKA® EUROSTAR Control Mixers with Wireless Remote

Control and monitor mixer wirelessly

- Measure viscosity changes with torque trend function
- Monitor fluid temperature with integrated temperature sensor
- Automatic adjustment to desired speed for maintaining consistent mixing

EUROSTAR 60 Control Mixer (50705-30 and -35) handles volumes up to 10.6 gallons (40 liters) and viscosities up to 50,000 cps.

EUROSTAR 100 Control Mixer (50705-40 and -45) will mix volumes up to 26.4 gallons (100 liters) and viscosities up to 70,000 cps.

EUROSTAR 200 Control Dual-Range Mixer (50705-50 and -55) will mix up to 26.4 gallons (100 liters) and viscosities up to 100,000 cps. Two selectable speed ranges give you the option of high viscosity or high-speed mixing.

EUROSTAR 200 Control P4 Dual-Range/ High-Torque Mixer (50705-60 and -65) will mix up to 26.4 gallons (100 liters) and viscosities up to 150,000 cps. A high-torque rating and two selectable speed ranges give you the option of high viscosity or high-speed mixing.

What's included: stainless steel Pt RTD temperature probe; chuck (accepts up to ⅜" [10 mm] dia shaft); 6¼"L x ½" dia (159 mm x 13 mm) mounting rod; and a 6½-ft (2-m) three-wire power cord with plug.

FEATURES

- ✓ Ultra-clear, high-contrast TFT LCD controller screen displays all process parameters
- ✓ RS-232 and USB interfaces for easy documentation of processes and firmware updates

Detachable wireless controller—lets you monitor and control all functions remotely

Speed (rpm)	hp	Max torque (in-oz)	Power (VAC, Hz)	Catalog number	Price
Eurostar 60 control mixer					
30 to 2000	3⁄16	85	115, 50/60	MT-50705-30	
			230, 50/60	MT-50705-35	
Eurostar 100 control mixer					
30 to 1300	⅛	142	115, 50/60	MT-50705-40	
			230, 50/60	MT-50705-45	
Eurostar 200 control dual-range mixer					
6 to 400/30 to 2000	⅛	283	115, 50/60	MT-50705-50	
			230, 50/60	MT-50705-55	
Eurostar 200 control P4 dual-range/high-torque mixer					
4 to 108/16 to 530	⅛	935	115, 50/60	MT-50705-60	
			230, 50/60	MT-50705-65	

MT-50705-80 **Replacement temperature probe,** stainless steel

MT-50705-82 **Temperature probe,** glass-coated stainless steel for acid and alkaline fluids

Accessories for Laboratory Mixers

A. Shafts. All ⅜" (10 mm) dia shafts are machined on one end to accept a 5/16" (8 mm) bore dia propeller.

Key	Shaft dimensions, dia x L, in. (mm)	Catalog number	Price
A	5/16 x 12 (8 x 305)	MT-04552-20	
	5/16 x 18 (8 x 457)	MT-04552-30	
	⅜ x 12 (10 x 305)	MT-04552-25	
	⅜ x 18 (10 x 457)	MT-04552-35	
	⅜ x 24 (10 x 610)	MT-04552-00	
	⅜ x 30 (10 x 762)	MT-04552-05	

B. Turbine Propellers are for airless mixing in deep containers.

C. Marine-Style Propellers are for general-purpose mixing. Use alone or mount several on a single shaft for thorough agitation.

D. Folding Propeller is for use in narrow-mouth vessels. Folded diameter is 11/16" (18 mm).

Key	Description	Bore dia in. (mm)	Overall dia in. (mm)	Catalog number	Price
B	Turbine style	⅜ (9.5)	2 (51)	MT-04552-15	
		5/16 (8)	2 (51)	MT-04552-10	
C	Marine style	5/16 (8)	1 (25)	MT-04552-40	
		5/16 (8)	1½ (38)	MT-04552-45	
		5/16 (8)	2 (51)	MT-04552-50	
		⅜ (9.5)	2 (51)	MT-04552-55	
		5/16 (8)	3 (76)	MT-04552-60	
D	Folding style	5/16 (8)	2 (51) open	MT-04543-00	

E-G. Clamps ensure a sturdy connection between mixer and stands.

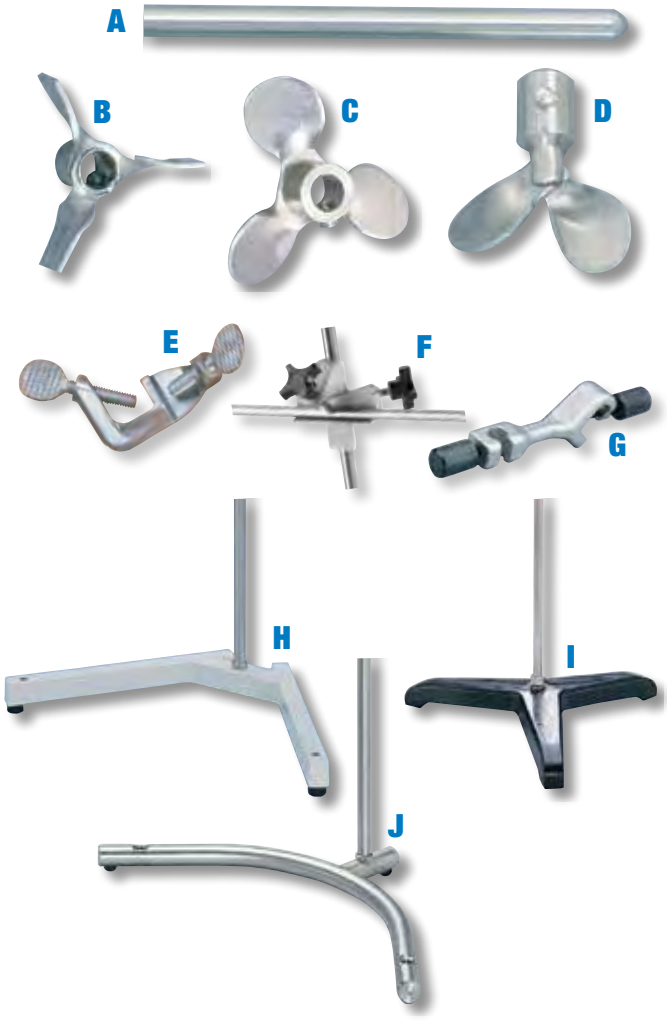
Key	Catalog number	Price
E	MT-08041-22	
F	MT-04340-50	
G	MT-04560-24	

H. Stand. Corrosion resistant, electropolished cast steel base; 303 SS support rod. Both legs accept an extra support rod.

I. Mixer Stand has a cast-iron base and a stainless steel rod.

J. 316 SS Mixer Stand accepts extra screw-in support rods in both legs.

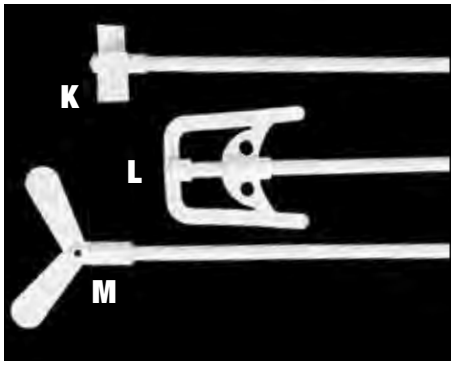
Key	Dimensions H x dia, in. (mm)	Stand		Extra support rod	
		Cat. no.	Price	Cat. no.	Price
H	29 x 5/8 (737 x 16)	MT-04552-80		MT-04552-85	
I	24 x 5/8 (610 x 16)	MT-04546-00		—	—
J	29 x 5/8 (737 x 16)	MT-04344-00		MT-04344-10	

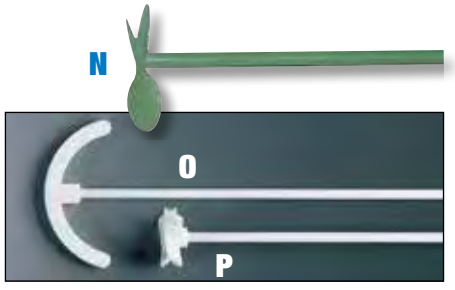


K-P. Plastic Mixing Paddle Assemblies

Use these plastic paddle assemblies for mixing most acids and corrosive solutions. Plastic-coated steel assemblies provide better chemical resistance than stainless steel alone.

Material	Shaft, dia x L, in. (mm)	Max paddle dia, in. (mm)	Catalog number	Price
K. Fixed, dual-blade paddle assembly—for mixing medium-viscosity liquids				
Polypropylene	5/16 x 13 3/16 (8 x 350)	1⅝ (41)	MT-06367-10	
L. A-shaped, blade paddle assembly—for mixing highly viscous liquids				
Polypropylene	5/16 x 13 3/16 (8 x 350)	2⅝ (67)	MT-06367-20	
M. Swing-out, dual-blade paddle assembly—for use in narrow-necked vessels				
Polypropylene	5/16 x 13 3/16 (8 x 350)	2⅜ (60)	MT-06367-40	
	5/16 x 13 3/16 (8 x 350)	4 (102)	MT-06367-60	
N. Three-blade paddle assembly—for general-purpose mixing				
PTFE	5/16 x 12 (8 x 305)	2 (51)	MT-04449-06	
PTFE	5/16 x 18 (8 x 457)	2 (51)	MT-04449-10	
O. Anchor-style paddle assembly—for mixing medium- to high-viscosity liquids				
PTFE	⅜ x 22 (10 x 559)	4 (102)	MT-06367-70	
P. Four-blade paddle assembly—for mixing low- to medium-viscosity liquids				
PTFE	⅜ x 22⅛ (10 x 562)	2⅜ (60)	MT-06367-80	





Oakton® Waterproof EcoTestr™ pH2+ Pocket Meter

NEW

Better results—easier and faster

- Large dual-line display shows pH and temperature readings simultaneously
- Automatic temperature compensation ensures accurate readings
- Easier, more intuitive interface and indicators for calibration, readiness, and battery life
- Use redesigned cap as sample cup and as a stabilizing base to stand the meter upright
- Secure—attach a lanyard to prevent losing or dropping in the field

OAKTON®

CE IP67

Model		EcoTestr pH2+
Catalog number		MT-35423-01
Range	pH	0.0 to 14.0 pH
	Temperature	32.0 to 122.0°F (0.0 to 50.0°C)
Resolution	pH	0.1 pH
	Temperature	0.1°F (0.1°C)
Accuracy	pH	±0.1 pH
	Temperature	±0.9°F (0.5°C) + 1 LSD
Temperature compensation		Automatic
Calibration		Up to 3 points
Buffer recognition		USA, NIST
Power		Four 1.5 V miniature alkaline batteries (included)
Price		

Oakton® Waterproof pHTestr® 10, 20, and 30 Pocket Meters

Save money—replace electrode instead of meter

- IP67-rated housing floats in water and won't roll off table
- Resistant to most chemicals with Valox® sensor housing
- Automatic buffer recognition for calibration up to three points
- Don't let temperature interfere—automatic temperature compensation minimizes impact

Double-junction electrode sensors handle wastewater and solutions containing sulfides, heavy metals, and Tris. Electrode sensors offer a clog-resistant Kynar® PVDF junction and a recessed, glass pH bulb to protect against breakage.

pHTestr 10 offers the most economical option.

pHTestr 20 features ±0.01 pH accuracy—suitable for most ASTM and EPA test procedures.

pHTestr 30 includes all of the features of the pHTestr 20 along with dual pH and 0.1-resolution temperature display. Temperature display units in selectable °F or °C.

What's included: protective plastic storage case, lanyard, and batteries.

OAKTON®

ISO 9001:2008 CERTIFIED SUPPLIER CE IP67

Description	pHTestr 10	pHTestr 20	pHTestr 30 with temperature readout
Catalog number	MT-35634-10	MT-35634-20	MT-35634-30
Range	–1.0 to 15.0 pH	–1.00 to 15.00 pH	–1.00 to 15.00 pH
Resolution	0.1 pH	0.01 pH	0.01 pH
Accuracy	±0.1 pH	±0.01 pH	±0.01 pH
Temperature compensation	Automatic, 32 to 122°F (0 to 50°C)		
Calibration	Up to three pH points		
Buffer recognition	4.0, 7.0, 10.0 USA 4.0, 6.9, 9.2 NIST	4.01, 7.00, 10.01 USA 4.01, 6.86, 9.18 NIST	
Power	Four 1.5 V button cell batteries (included)		
Price			

Accessories

MT-35624-38 **Replacement pH sensor**
MT-09377-16 **Replacement batteries,** 1.5 V button cell. Pack of 6
MT-17101-45 **NIST-traceable calibration** for pH pocket meters (non-BNC)

Oakton® High-Accuracy pH Buffers

Trust your buffers—high accuracy

NEW

- For meters with 0.001 resolution
- Standardized against NIST-certified pH references

OAKTON®

pH	One 500-mL bottle		Case of 12 bottles	
	Catalog number	Price/ea	Catalog number	Price/cs
4.000	MT-05942-29		MT-05942-35	
7.000	MT-05942-49		MT-05942-55	
10.000	MT-05942-69		MT-05942-75	

Oakton® pH 5+ and pH 6+ Meters

Get high accuracy at low prices

- Autobuffer recognition for up to five-point calibration provides ±0.01 pH accuracy
- Take this compact unit anywhere
- Get pH and temperature readings at the push of a button
- Improve your accuracy with automatic temperature compensation (ATC) from 0 to 100°C
- Protect your unit with protective rubber boot that doubles as a stand
- Choose the pH 6+ meter to also read mV

Meter includes: ATC probe, protective rubber boot, and batteries.

Meter with probe adds: pH electrode 59001-65.

Meter kit adds: "All-in-one" pH electrode, pH buffer solutions, sample bottles, rinse bottle, and carrying case.

Save time, save money!

Choose Precalibrated
Includes a data-rich, ISO 17025-compliant certificate!
Precalibrated by INNOCAL® INNOVATIVE CALIBRATION SOLUTIONS

OAKTON®

ISO 9001:2008 CERTIFIED SUPPLIER CE 3-YEAR WARRANTY Meter only

Specifications

Mode	pH	mV (pH 6+ only)	Temperature
Range	0.00 to 14.00 pH	±1000 mV or rel mV	0 to 100.0°C
Resolution	0.01 pH	1 mV	0.1°C
Accuracy	±0.01 pH	±2 mV	±0.5°C
Calibration	Up to five points: pH 1.68, 4.01, 7.00, 10.00, 12.45 (USA); pH 1.68, 4.01, 6.86, 9.18, 12.45 (NIST) pH 4.10, 6.97 (Pb)	±20 mV	Offset 0.1°C increments

Temp compensation: automatic with ATC probe, 0 to 100°C
Power: four AAA batteries (included)

Model	Description	Meter		Precalibrated	
		Cat. no.	Price	Cat. no.	Price
pH 5+	Meter only	MT-35613-50		MT-35613-51	
pH 6+		MT-35613-20		MT-35613-41	
pH 5+	Meter with probe	MT-35613-52		MT-35613-53	
pH 6+		MT-35613-22		MT-35613-42	
pH 5+	Meter kit	MT-35613-54		MT-35613-55	
pH 6+		MT-35613-24		MT-35613-44	

Accessories

MT-59001-65 **Replacement pH electrode;** single-junction, gel-filled. Epoxy body, BNC connector
MT-35811-71 **"All-in-one" combination pH probe** with built-in ATC; single-junction sealed, epoxy body, BNC connector
MT-35811-72 **"All-in-one" combination pH probe** with built-in ATC; double-junction sealed, epoxy body, BNC connector
MT-35613-05 **Replacement ATC probe,** stainless steel
MT-09376-00 **Replacement batteries,** AAA. Pack of 12

Oakton® Waterproof pH 150 Meter

Get more for your money!

- Intuitive, user-friendly icons show electrode status as pH slope
- Get quick and easy electrode attachment to a beaker or container with Grip-Clip™ holder
- Recall more data with expanded data logging for up to 150 data sets
- mV offset for calibration of ORP standards, zeroing mV value, and pH diagnostics
- Use as a benchtop meter as well—built-in stand or wall-mount option

View more simultaneously with large, three-line LCD providing pH or mV measurement with temperature and calibration % slope. Get faster calibration with auto buffer recognition which identifies the correct pH buffer. Be more accurate with up to six calibration points from USA, NIST, and DIN pH buffer sets and automatic temperature compensation (ATC).

Additional features include ready (stability) indicator, smart averaging, hold function, calibration alarm (visible), battery-life indicator, and electrode status.

Meter only includes: Grip-Clip holder and two AA batteries.
Meter with probe adds: "All-in-One" pH electrode (35808-71).
Meter kit further adds: pH buffers, storage solution, rinse solution, and hard carrying case.

OAKTON® ISO 9001:2008 CERTIFIED SUPPLIER TÜV GS CE IP67 3-YEAR WARRANTY Meter only

Description		Meter only	Meter with probe	Meter kit
Model		pH 150		
Catalog number		MT-35614-32	MT-35614-30	MT-35614-90
Precalibrated cat. no.		MT-35614-34	MT-35614-33	MT-35614-91
Range	pH	–2.00 to 16.00		
	mV	±2000 mV		
	Temperature	–17.0° to 230.0° F (–10.0° to 110.0°C)		
Resolution	pH	0.01		
	mV	0.1 mV ±999.9 mV; 1 mV beyond		
	Temperature	0.1°F/C		
Accuracy	pH	±0.01		
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater		
	Temperature	±0.9°F (±0.5°C)		
Calibration	pH	Up to 6 points: USA, NIST, DIN		
	mV	±200 mV		
	Temperature	Offset 0.1 increments		
Temperature compensation		Automatic or manual from –10 to 110°C		
Data logging		Stores up to 150 data sets		
Power		Two AA batteries (included); universal power adapter (optional)		
Price				
Precalibrated price				

MT-35808-71 **Replacement "All-in-One" combination pH electrode** with built-in ATC; single-junction, epoxy body, BNC connector
MT-35618-05 **ATC probe.** Use with any standard pH electrode for temperature compensation
MT-35614-50 **Replacement Grip-Clip,** holder attaches probe to side of container for hands-free measurement
MT-35614-51 **Hard carrying case,** for 150/450 meters
MT-35420-72 **Optional power adapter,** 110/220 VAC
MT-09376-01 **Replacement batteries,** AA. Pack of 4
MT-17106-20 **NIST-traceable calibration** with data for pH meter

Oakton® Benchtop pH 700 and Ion 700 Meters

No more lost data—store and recall up to 100 data sets

- Takes up less bench space—40% smaller than comparable models
- Super-large dual-line display is easy to read
- Simple calibrations with 5-point automatic pH buffer recognition for USA and NIST buffers
- More accurate measurements with up to 5-point calibration for ion concentration on Ion 700 model
- Versatile—use with any pH, ORP, or ISE electrodes with BNC connector

pH 700 meter measures pH, mV, relative mV, and temperature. Ion 700 meter adds ion concentration measurement and reads directly in ppm for easy use. Automatic temperature compensation (ATC) maintains reading accuracy even with fluctuating temperatures.

Meters feature Auto-Hold, selectable °F or °C measurement, and easy recall of electrode slope or offset.

Search
For our complete selection of pH/ion meters, go to **ColeParmer.com/pHMeters**

Keep procedures handy with quick-reference pull out

Save time, save money!
Choose Precalibrated
Includes a data-rich, ISO 17025-compliant certificate!
Precalibrated by INNOCAL® INNOVATIVE CALIBRATION SOLUTIONS

OAKTON® ISO 9001:2008 CERTIFIED SUPPLIER CE 3 YEAR WARRANTY Meter only

Specifications

Model		pH 700	Ion 700
Range	pH	–2.00 to 16.00	–2.00 to 16.00
	mV/rel mV	±2000	±2000
	ISE	—	0.01 to 2000 ppm
	Temperature	32 to 100°F (0.0 to 100.0°C)	32 to 100°F (0.0 to 100.0°C)
Resolution	pH	0.01 pH	0.01 pH
	mV/rel mV	0.1 within ±199.9 mV, 1 beyond ±199.9 mV	0.1 within ±199.9 mV, 1 beyond ±199.9 mV
	ISE	—	0.01 to 2000 ppm
	Temperature	0.1°F or °C	0.1°F or °C
Accuracy	pH	±0.01 pH	±0.01 pH
	mV/rel mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV	±0.2 within ±199.9 mV, ±2 beyond 199.9 mV
	ISE	—	±0.5% of reading (monovalent); ±1% of reading (divalent)
	Temperature	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Calibration	pH	Up to 5 points with autobuffer recognition	Up to 5 points with autobuffer recognition
	mV	Up to ±150 mV offset adustment	Up to ±150 mV offset adustment
	ISE	—	From 2 to 5 consecutive points (0.1, 1.0, 10.0, 100.0, 1000 ppm)
Temperature compensation		Automatic or manual from 32 to 100°F (0 to 100°C)	Automatic or manual from 32 to 100°F (0 to 100°C)
Buffer recognition		USA or NIST buffer sets	USA or NIST buffer sets
Data logging		100 data sets	100 data sets
Power		100/240 VAC, 50/60 Hz	100/240 VAC, 50/60 Hz

Model	Description	Meter		Precalibrated meter	
		Catalog number	Price	Catalog number	Price
pH 700	Meter only	MT-35419-00		MT-35419-01	
pH 700	Meter with "all-in-one" pH/ATC electrode	MT-35419-03		MT-35419-05	
Ion 700		MT-35419-23		MT-35419-27	
pH 700	Meter with double-junction pH electrode, ATC probe, and removable electrode holder	MT-35419-10		MT-35419-11	
Ion 700		MT-35419-20		MT-35419-24	
pH 700	Meter with removable electrode holder	MT-35419-12		MT-35419-15	
Ion 700		MT-35419-22		MT-35419-26	

MT-59001-65 **Combination pH electrode;** single junction, gel-filled, epoxy body

MT-59001-70 **Combination pH electrode;** double junction, gel-filled, epoxy body

MT-35811-71 **"All-in-one" combination pH electrode;** single junction, gel-filled, epoxy body

MT-35805-04 **Replacement combination pH electrode;** double junction, refillable, glass body

MT-35613-13 **Replacement ATC probe,** SS

MT-35420-54 **Replacement electrode arm**

MT-17106-20 **NIST-traceable calibration** with data for pH/ion meter

Oakton® Waterproof Multiparameter Testr™ 35-Series Pocket Meters

Save time and money—like three meters in one!

– Compatible with a wide range of samples with long-life pH electrode and stainless steel pin-style conductivity sensor

– Save money by replacing only the sensor module

Advanced features include up to 5 point pH calibration with NIST or USA autobuffer recognition, auto-shutoff, user-adjustable temperature coefficient, self-adjusting TDS and salinity factor, and low-battery indicator. The IP67-rated housing floats if accidentally dropped into water.

OAKTON

ISO 9001:2008 CERTIFIED SUPPLIER CE IP67

Model		PCTestr 35	PTTestr 35	PCSTestr 35
Catalog number		MT-35425-00	MT-35425-05	MT-35425-10
Range	pH	0 to 14.0	0 to 14.0	0.00 to 14.00
	Conductivity	0 to 2000 µS/cm; 2.00 to 20.00 mS/cm	—	0.0 to 200.0, 200 to 2000 µS/cm; 2.00 to 20.00 mS/cm
	TDS	—	0 to 1000 ppm; 1.00 to 10.00 ppt	0.0 to 100.0 ppm, 100 to 1000 ppm; 1.00 to 10.00 ppt
	Salinity	—	—	0.0 to 100.0 ppm, 100 to 1000 ppm; 1.00 to 10.00 ppt
	Temperature	32 to 112°F (0 to 50.0°C)	32 to 112°F (0 to 50.0°C)	32 to 112°F (0 to 50.0°C)
Accuracy	pH	±0.1	±0.1	±0.01
	Conductivity	1% full scale	—	1% full-scale
	TDS	—	1% full-scale	1% full-scale
	Salinity	—	—	1% full-scale
	Temperature	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)	±0.9°F (±0.5°C)
Temperature compensation		Automatic or manual, 32 to 122°F (0 to 50°C)		
Calibration		pH: 3 to 5 pH points; Conductivity: 1 to 3 point standard/manual calibration		
Buffer recognition		USA: 1.68, 4.01, 7.00, 10.01, 12.45; NIST: 1.68, 4.01, 6.86, 9.18, 12.45		
Power		Four 1.5 V button cell batteries (included)		
Price				

METTLER TOLEDO SevenGo Duo™ Series Handheld Multiparameter Meters

Ensure accurate readings with ISM® electrodes

NEW

– Meter automatically recognizes connected probe and accesses critical data stored within the probe's onboard memory

– Automatic end point, sensor, and buffer recognition functions simplify operation

– IP67-rated housing is watertight and dustproof, including sensor connections

SevenGo Duo Meter measures each channel simultaneously and the large screen toggles between the parallel readings. **SevenGo Duo Pro Meters** display both measured parameters simultaneously on backlit LCD; results are stored with time-and-date stamp, electrode and sample data, and other key information to ensure GLP guidelines are met.

IP67

Specifications

Model		SG23	SG78	SG68	SG98
Description		pH/mV/Conductivity	pH/mV/Ion/Conductivity	pH/mV/Ion/DO	pH/mV/Ion/RDO
Range	pH	0 to 14	–2 to 19.999		
	mV	±1999	±1999		
	Ion	—	0 to 9999 ppm		
	Cond	0.01 µS/cm to 500 mS/cm	0.01 µS/cm to 1000 mS/cm	—	—
	TDS	0.01 mg/L to 300 g/L	0.01 mg/L to 600 g/L	—	—
	Salinity	0 to 80 ppt	0 to 80 ppt	—	—
	DO	—	—	0 to 99.00 ppm	0 to 50.00 ppm
	Temp	–5 to 105°C	–30 to 130°C		
Accuracy	pH	±0.01	±0.002		
	mV	±1	±0.1		
	Ion	—	±0.5%		
	Cond	±0.01%	±0.5% of rdg	—	—
	TDS	±0.5% of rdg	±0.5% of rdg	—	—
	Salinity	±0.5% of rdg	±0.5% of rdg	—	—
	DO	—	—	±0.5% max. 0.03	±0.1 mg/L to 8 mg/L, ±0.2 mg/L from 8 to 20 mg/L, ±10% above 20 mg/L
	Temp	±0.5°C	±0.2°C		
Temp compensation		–5 to 105°C (ATC/MTC)	–5 to 130°C (ATC); –30 to 130°C (MTC)		
Buffer recognition		4 predefined, 1 user-defined	7 predefined, 1 user-defined		
Data logging		99 measurements	500 measurements (GLP)		
Output		—	Infrared interface; USB, RS-232		
Power		Four 1.5 V AA alkaline batteries (included)			

What's included: wrist strap, batteries, and test certificate supplied by manufacturer. **Standard and USP/EP kits add:** probes/cells. **Field kits further add:** carrying case.

Model	Description	Catalog number	Price
SevenGo Duo SG23	Meter only	MT-35903-70	
	Standard kit	MT-35903-71	
	Field kit	MT-35903-72	
SevenGo Duo Pro SG78	Meter only	MT-35903-76	
	Standard kit	MT-35903-77	
	Field kit	MT-35903-78	
	USP/EP	MT-35903-79	
SevenGo Duo Pro SG68	Meter only	MT-35903-73	
	Standard kit	MT-35903-74	
	Field kit	MT-35903-75	
SevenGo Duo Pro SG98	Meter only	MT-35903-80	
	Standard kit	MT-35903-81	
	Field kit	MT-35903-82	

Accessories

MT-35903-90 **Adapter cable,** infrared to USB

MT-35903-91 **Adapter cable,** infrared to RS-232

Oakton® pH Buffer Solutions

Keep your readings accurate with these quality buffers

– Standardized against NIST-traceable pH references for meters with 0.01 resolution

OAKTON®

pH	500-mL bottles				1-L bottles		4-L bottles			
	Catalog number	Price/ea	Catalog number	Price/cs of 12	Catalog number	Price/ea	Catalog number	Price/ea	Catalog number	Price/cs of 4
1.68	MT-00654-01		—	—	—	—	—	—	—	—
4.01	MT-00654-00		MT-05942-21		MT-05942-22		MT-05942-24		MT-05942-25	
6.86	MT-00654-03		—	—	—	—	—	—	—	—
7.00	MT-00654-04		MT-05942-41		MT-05942-42		MT-05942-44		MT-05942-45	
9.18	MT-00654-07		—	—	—	—	—	—	—	—
10.00	MT-00654-08		MT-05942-61		MT-05942-62		MT-05942-64		MT-05942-65	
12.45	MT-00654-12		—	—	—	—	—	—	—	—

Oakton® pH Buffer and pH Solution Packs

Maintain accuracy and your budget

– Save money by purchasing buffer pack—includes 500 mL bottle of pH 4, 7, and 10 NIST-traceable buffers

– Keep electrodes clean and stored correctly—purchase solution pack which adds 500-mL bottles of cleaning and storage solutions

OAKTON®

Description	Qty/pk	Catalog number	Price/pk
pH buffer pack	3 bottles	MT-05942-10	
pH solution pack	5 bottles	MT-05942-15	

Cole-Parmer® pH Buffers, NIST-Traceable Reference Materials

Feel more confident about accuracies

– Calibrated by ISO Guide 34 and ISO 17025 accredited laboratory—includes NIST-traceable certificate supplied by manufacturer

– Easy calibrations—include instructions and temperature compensation chart

Cole-Parmer®

pH	500-mL bottles		1-L bottles		4-L bottles	
	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price
Colorless buffers						
4.01	MT-00651-00		MT-00651-30		MT-00651-70	
7.00	MT-00651-02		MT-00651-32		MT-00651-72	
10.00	MT-00651-04		MT-00651-34		MT-00651-74	
Color-coded buffers						
4.01 (red)	MT-00651-06		MT-00651-36		MT-00651-76	
7.00 (yellow)	MT-00651-08		MT-00651-38		MT-00651-78	
10.00 (blue)	MT-00651-10		MT-00651-40		MT-00651-80	

Oakton® pH Buffer Pouches

Keep your accuracy even on the go!

– Single-use pouch—just tear, dip, calibrate

– Standardized to NIST-traceable pH references

– Sold in pack of 20 pouches

OAKTON®

pH	Catalog number	Price/pk
4.01	MT-35653-01	
7.00	MT-35653-02	
10.00	MT-35653-03	
Rinse solution	MT-35653-00	

MT-35653-04 **Buffer pouch assortment pack;** contains five pouches each of pH 4, 7, and 10 buffers and rinse solution

Oakton® Reference Fill Solutions

Effortless refilling!

– Choose your solution: 3.8 KCl with AgCl for Ag/AgCl electrodes or 4 KCl for calomel

– Sold in packs of two 125-mL bottles

OAKTON®

Description	Catalog number	Price/pk
3.8 KCl with AgCl	MT-05992-47	
4 KCl	MT-05992-48	

Oakton® Electrode Cleaning and Storage Solutions

Clean electrodes make clean measurements

– Easily remove grease, protein, and other deposits with cleaning solution

– Make electrode last longer—store in our storage solution

– Choose 500-mL bottle or case of 24 500-mL bottles

OAKTON®

Solution type	Catalog number	Price/ea	Catalog number	Price/cs
Cleaning	MT-00653-06		—	—
Storage	MT-00653-04		MT-35655-04	

Cole-Parmer® Epoxy-Body Combination pH and ORP Electrodes

Get fast, stable readings

Cole-Parmer®

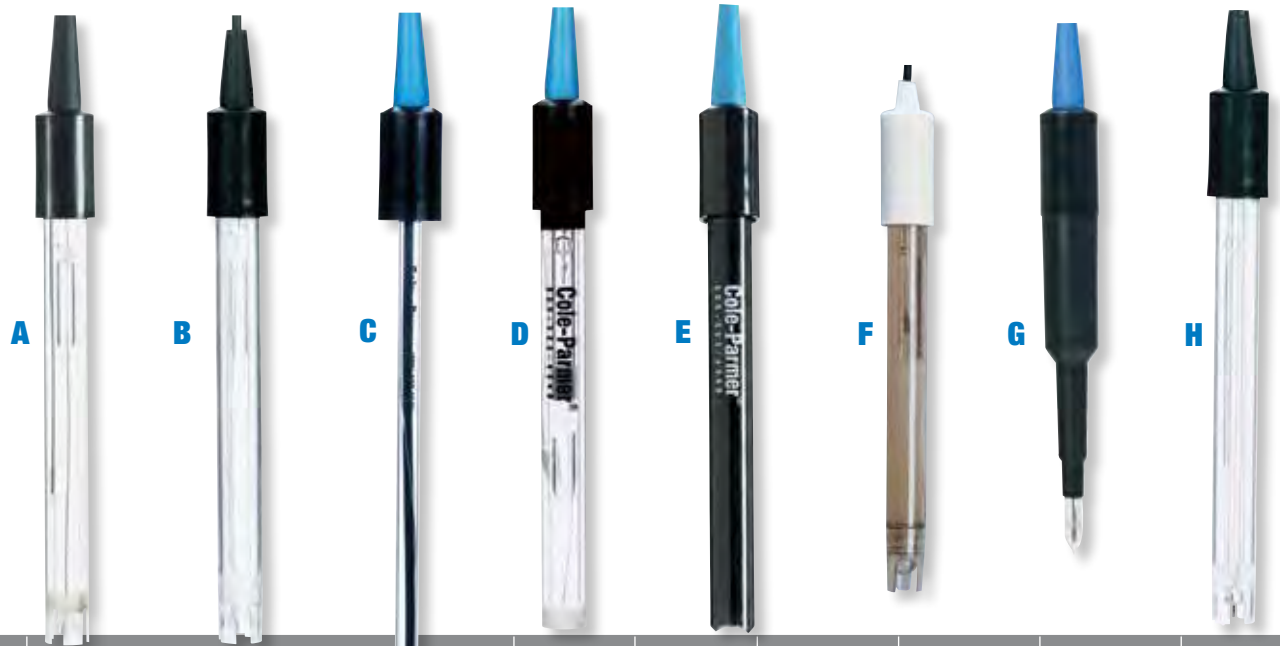
- Impact resistant—epoxy-body housing for added strength
- Ideal for your general-purpose applications in the lab or field
- Compatible with most brands of pH meter

These electrodes are ideal for prolonged pH or ORP readings. Electrodes with sealed, gel-filled design require virtually no maintenance. Electrodes with PTFE reference-junction offer extended electrode life. All listed electrodes have Ag/AgCl reference cells.

What's included: 3.3-ft (1-m) cable with BNC connector.

See How to...

Maintain it!
ColeParmer.ca/pHmaintain



Key	Description	Reference junction	Type	Maximum temperature	Length x dia (mm)	Catalog number	Price
General-purpose pH electrodes							
A	General purpose	Single	Sealed	176°F (80°C)	127 x 12	MT-59001-65	
	For dirty samples	Double				MT-59001-70	
B	General purpose, refillable	Single	Refillable†	176°F (80°C)	148 x 12	MT-05992-30	
	For dirty samples, refillable	Double				MT-05991-12	
C	Extra-long neck for test tube sampling	Single	Sealed	176°F (80°C)	220 x 6	MT-05990-45	
D	Flat tip for surface or low-volume sampling	Single	Sealed	176°F (80°C)	127 x 12	MT-05990-65	
PTFE reference-junction pH electrodes (clog resistant)							
E	General purpose	Single	Sealed	212°F (100°C)	110 x 12	MT-05992-00	
	For dirty samples	Double				MT-05992-02	
Special-purpose pH electrodes							
F	Coiled-cable for dirty samples	Double	Sealed	176°F (80°C)	140 x 12	MT-05993-28	
G	Spear-tip for dirty samples				110 x 10	MT-59002-24	
ORP electrodes							
A	General purpose	Single	Sealed	176°F (80°C)	127 x 12	MT-59001-75	
	For dirty samples	Double				MT-59001-77	
H	General purpose, refillable	Single	Refillable††	176°F (80°C)	155 x 12	MT-05990-55	

†Use fill solution 05992-48 ††Use fill solution 05992-47

MT-05992-48 **Reference fill solution,** 4 M KCl. Two 125-mL bottles

MT-05992-47 **Reference fill solution,** 3.8 M KCl with AgCl. Two 125-mL bottles

MT-05983-25 **Adapter,** BNC to US standard plug meter

Oakton® Flexible Electrode Holder

Keep electrodes in position

- Holds up to four standard-size electrodes and one ATC probe.
- Weighted base pivots 360° for added convenience

Description	Catalog number	Price
Electrode holder	MT-35617-50	

Cole-Parmer® Single-Channel Pipettors

Don't sacrifice performance for price

– Ergonomic, lightweight design with soft plunger movement minimizes hand fatigue

Pipettors feature streamlined, low-pressure tip ejector for easy access to narrow containers. They facilitate last drop dispensing and reverse pipetting technique with two-stage plunger operation for blow-out. Easy to calibrate and disassemble for routine servicing or autoclaving.

Adjustable-volume pipettors feature quick, easy click-stop, digital volume settings. Individually calibrated in accordance with DIN 12650 Standards and supplied with a computer-generated calibration document supplied by the manufacturer and calibration tool.

Cole-Parmer®

Specifications

Tip ejector: tip ejector with blow-out step
Autoclavable: autoclavable tip cone and lower section assembly

Volume	Increments	Accuracy	Reproducibility	Catalog number	Price
Fixed-volume pipettors					
100 µL 200 µL 500 µL 1000 µL 5000 µL	—	±0.3%	±0.2%	MT-21600-00 MT-21600-02 MT-21600-04 MT-21600-06 MT-21600-08	
Adjustable-volume pipettors					
0.1 to 10 µL 5 to 50 µL 20 to 100 µL	0.1 µL 1.0 µL 1.0 µL	±2.5% ±1.3% ±1.1%	1.33% 0.7% 0.4%	MT-21600-10 MT-21600-12 MT-21600-14	
40 to 200 µL 200 to 1000 µL 1 to 5 mL	1.0 µL 10.0 µL 100.0 µL	±0.9% ±0.8% ±0.6%	0.3% 0.2% 0.2%	MT-21600-16 MT-21600-18 MT-21600-20	

Tips, Polypropylene

Volume (µL)	Qty/pk	Catalog number	Price/pk
0.2 to 10	Bag of 1000	MT-25711-06	
0 to 200	Bag of 1000 10 racks of 96	MT-25711-12 MT-25711-14	
50 to 1000	Bag of 1000	MT-18889-08	
1000 to 5000	Bag of 1000 Bag of 500 Bag of 250	MT-25711-70 MT-25711-71 MT-25711-72	

Cole-Parmer® Single-Channel Electronic Pipettors

Save time on routine tasks

– Program up to six presets with function, volume, speed, and number of dispenses
– Nine pipetting functions cover common and specialized pipetting applications
– Adjust brightness and background on large color display to suit any lighting condition

What's included: rechargeable battery, USB power cord, and two AC adapters (US and Euro).

Cole-Parmer®

Specifications

Tip ejector: yes, soft touch
Autoclavable: tip cone

Volume (µL)	Increments	Accuracy†	Reproducibility†	Catalog number	Price
0.2 to 10	0.01 µL	±1.0%	≤0.4%	MT-24500-01	
5 to 100	0.1 µL	±0.6%	≤0.2%	MT-24500-02	
20 to 300	0.5 µL	±0.5%	≤0.2%	MT-24500-03	
50 to 1200	1 µL	±0.4%	≤0.2%	MT-24500-04	
500 to 5000	5 µL	±0.5%	≤0.2%	MT-24500-05	
1000 to 10,000	10 µL	±0.4%	≤0.2%	MT-24500-06	

†Accuracy and reproducibility at full-scale volume.

Tips, Polypropylene

Volume (µL)	Pack description	Catalog number	Price
0.1 to 10	Bag of 1000	MT-25711-49	
	10 racks of 96	MT-25711-51	
	10 racks of 96, sterile	MT-25711-53	
	10 racks of 96, sterile, filtered	MT-25711-55	
1 to 200	Bag of 1000	MT-25711-57	
	10 racks of 96	MT-25711-59	
	10 racks of 96, sterile	MT-25711-61	
	10 racks of 96, sterile, filtered	MT-25711-65	
1000 to 5000	Bag of 500	MT-25711-71	
1000 to 10,000	Bag of 500	MT-25711-73	
	Bag of 1000	MT-25711-66	
	10 racks of 96	MT-25711-67	
	10 racks of 96, sterile	MT-25711-68	
	10 racks of 96, sterile, filtered	MT-25711-69	

Unitary Droppers, LDPE

No more cleaning dispensers

Thermo Scientific™ Nalgene™ Unitary Dropper is a one-piece molded dropper that delivers 30 to 35 drops per mL. Tube length is 68 mm.

Disposable Droppers are one-piece molded droppers with bellows-action bulbs. Use for infectious or toxic substances.

Unitary dropper 06096-00

Disposable dropper 06223-15

Capacity (mL)	Qty/pk	Catalog number	Price/pk
Nalgene unitary dropper			
1.6	100	MT-06096-00	
Disposable droppers			
1.5	100	MT-06223-15	
5.0	100	MT-06223-25	

Multichannel Disposable Solutions Basins

View and draw samples into pipette easily

– Angled sides and V-shaped bottom for complete sample withdrawal
– Made of white polystyrene, hold up to 55 mL

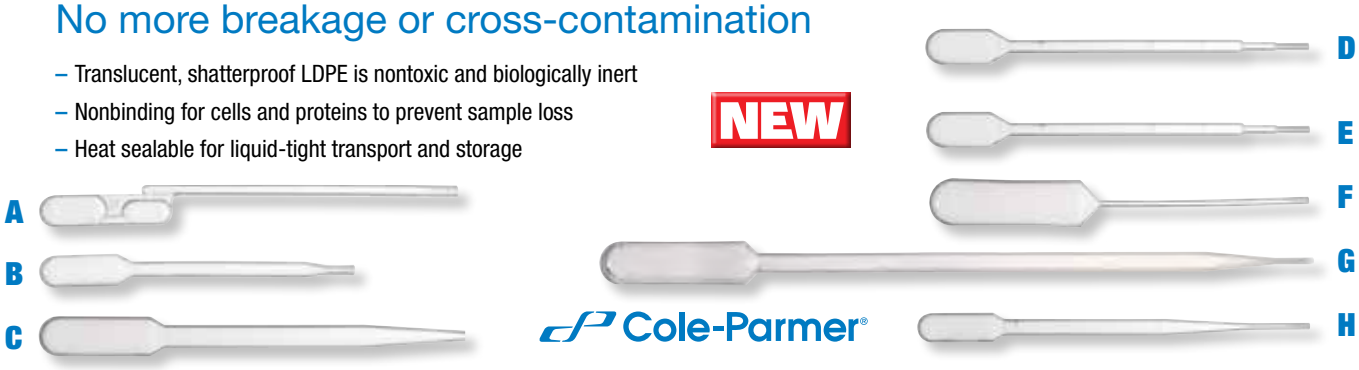
Sterile	Capacity (mL)	Qty/pk	Catalog number	Price/pk
No	55	100	MT-24810-30	
Yes		50	MT-24810-35	

Cole-Parmer® Transfer Pipettes

No more breakage or cross-contamination

- Translucent, shatterproof LDPE is nontoxic and biologically inert
- Nonbinding for cells and proteins to prevent sample loss
- Heat sealable for liquid-tight transport and storage

NEW



Key	Description	Bulb type	Total capacity	Drops per mL (±1)	Graduations		Length in. (mm)	Sterile	Catalog number	Qty	Price
					Increments	Maximum					
A	Exact volume	Precision	0.25 mL	23	—	—	4 1/16 (102)	No	MT-06226-07	500	
B	Mini	Standard	1.2 mL	25	—	—	2 1/2 (64)	No	MT-06226-30	500	
			1.7 mL	25	—	—	3 7/16 (87)	No	MT-06226-21	500	
C	General purpose	Standard	7.5 mL	20	—	—	6 1/8 (155)	No	MT-06226-11	500	
								Yes†	MT-06226-31	500	
		Large	8.0 mL	20	—	—	5 7/8 (152)	No	MT-06226-17	400	
D	Graduated	Small	1.5 mL	21	0.1 mL	0.3 mL	4 7/16 (113)	No	MT-06226-13	500	
			3.0 mL	25	0.25 mL	1 mL	5 1/2 (140)	No	MT-06226-29	500	
		Standard	3.0 mL	25	0.25 mL	1 mL	5 7/16 (138)	No	MT-06226-23	500	
		Large	5.0 mL	25	0.25 mL	1 mL	6 1/8 (155)	No	MT-06226-12	500	
								Yes†	MT-06226-15	500	
			6.7 mL	25	1 mL	2 mL	5 7/8 (152)	No	MT-06226-26	500	
			7.5 mL	20	0.5 mL	3 mL	6 1/8 (155)	No	MT-06226-01	500	
E	Double graduated	Large	5.0 mL	25	0.25 mL	1 mL	6 1/8 (155)	No	MT-06226-19	500	
F	Narrow stem	Standard	4.0 mL	25	—	—	3 3/8 (86)	No	MT-06226-27	500	
				22	—	—	6 1/8 (155)	No	MT-06226-28	500	
		Extra large	15.0 mL	19	—	—	6 1/8 (155)	No	MT-06226-32	250	
G	Extra long	Large	6.0 mL	25	—	—	9 (230)	No	MT-06226-22	500	
		Extra large	23.0 mL	20	—	—	12 (300)	No	MT-06226-24	100	
H	Collection tubes	Standard	5.0 mL	25	—	—	6 1/8 (155)	No	MT-06226-25	500	
				25	0.5 mL	2 mL	6 1/8 (155)	No	MT-06226-03	500	

†Sterile pipettes are packaged 20 per bag.

Cole-Parmer® Autoclavable Ergonomic Pipettors

Eliminate hand fatigue

- Ergonomic, lightweight design and soft plunger movement
- Fully autoclavable—no disassembly required
- Available in fixed and adjustable-volume styles
- Improved accuracy, precision, and performance

Cole-Parmer®

These fully autoclavable pipettors are equipped with a stainless steel piston for improved accuracy, precision, and performance. Two-stage plunger operation provided for last-drop blow-out and reverse pipetting. Separate, streamlined tip ejector designed for access into narrow-neck containers and tubes. Individually calibrated in accordance with DIN 12650 Standards and supplied with a computer-generated calibration report and calibration tool. Nozzle accepts Cole-Parmer and universal tips.

Volume	Increments	Accuracy	Reproducibility	Catalog number	Price
Fixed-volume pipettors					
100 µL 200 µL 500 µL 1000 µL 5000 µL	—	±0.3%	≤0.2%	MT-21600-50 MT-21600-52 MT-21600-54 MT-21600-56 MT-21600-58	
Adjustable-volume pipettors					
0.1 to 10 µL	0.1 µL	±5.0% to ±1.0%	≤2.8% to ≤0.4%	MT-21600-60	
2.0 to 20 µL	0.1 µL	±5.0% to ±1.0%	≤1.5% to ≤0.3%	MT-21600-62	
5.0 to 50 µL	1 µL	±2.5% to ±0.7%	≤1.5% to ≤0.3%	MT-21600-64	
10 to 100 µL	1 µL	±2.0% to ±0.8%	≤0.7% to ≤0.2%	MT-21600-66	
20 to 200 µL	1.0 µL	±1.5% to ±0.6%	≤0.3% to ≤0.2%	MT-21600-68	
100 to 1000 µL	10.0 µL	±1.3% to ±0.5%	≤0.3% to ≤0.2%	MT-21600-70	
500 to 5000 µL	100.0 µL	±0.8% to ±0.6%	≤0.2% to ≤0.2%	MT-21600-72	
1000 to 10,000 µL	100.0 µL	±1.2% to ±0.6%	≤0.2% to ≤0.2%	MT-21600-74	

Specifications

Wetted materials: polypropylene
Tip ejector: yes
Autoclavable: yes

Tips, Polypropylene

Volume (µL)	Qty/pk	Catalog number	Price/pk
0.2 to 10	Bag of 1000	MT-25711-06	
0 to 200	Bag of 1000	MT-25711-12	
	10 racks of 96	MT-25711-14	
50 to 1000	Bag of 1000	MT-18889-08	
1000 to 5000	Bag of 1000	MT-25711-70	
	Bag of 500	MT-25711-71	
	Bag of 250	MT-25711-72	

Masterflex® C/L® Variable-Speed Compact Pumps

Pump in even the tightest spaces!

– Pump fluids in either direction—easily switchable reversing motor
– Easy tubing changes—open cover and release occlusion bed in one motion

A. C/L Single-Channel Pumps

– Stop/start remotely via contact closure
– MAX button quickly primes or purges tubing
– Pump from 0.002 to 43 mL/min

B. C/L Digital Microflex® Pump

– Icon-driven menu allows quick programming and setup
– Flow range of 0.00013 to 43 mL/min
– Copy dispense function for filling and dispensing applications
– Remote control of speed, direction, and start/stop/prime via 25-pin connector on back of drive
– Microflex pump head accepts continuous lengths of tubing for clean flow paths
– Tubing calibration ensures accuracy

NEW

A

B

FEATURES

✓ Flow range: 0.00013 to 43 mL/min
✓ Reversible pumping
✓ Remote control capabilities

ISO9001:2008 CERTIFIED SUPPLIER

Power supplies are:

rpm	Speed control (repeatability)	Number of channels	Number of rollers	Reversible motor	IP rating	Dimensions—¼ DIN (L x W x H)	Power		Catalog number	Price
							VAC, Hz	Amps		
A. C/L single-channel compact pumps										
1.7 to 10	±5%	1	4	Yes	IP22	7" x 3¾" x 3½" (17.8 x 9.5 x 8.9 cm)	90 to 260, 50/60	110 mA at 115 VAC	MT-77122-04	
							12 VDC†	—	MT-77122-06	
13 to 80							90 to 260, 50/60	175 mA at 115 VAC	MT-77122-14	
							12 VDC†	—	MT-77122-16	
50 to 300			3				90 to 260, 50/60	400 mA at 115 VAC	MT-77122-24	
							12 VDC†	—	MT-77122-26	
B. C/L digital Microflex pump										
0.1 to 300	±0.1%	1	3	Yes	IP33	8 1/16" x 5½" x 6 3/16" (20.5 x 14 x 15.7 cm)	90 to 260	0.34 at 115 VAC, 0.2 at 230 VAC	MT-77123-00	

†Power supply not included with 12 VDC models.

MT-17050-01 **NIST-traceable calibration** with data for peristaltic pump drive

For A models:

MT-77120-03 **Brackets** for panel mounting. Set of 2
MT-77200-07 **Replacement power supply,** 100 to 240 VAC, for pump 77122-24
MT-77120-11 **Replacement power supply,** 100 to 240 VAC, for pumps 77122-04, -14

For B model:

MT-07523-92 **Foot switch,** momentary start/stop; DB25 male; 6-ft (1.8-m) cable
MT-07523-95 **Cable assembly,** DB25 male connector and 25-ft (7.9-m) cable with stripped wire ends
MT-07523-97 **Handheld remote controller,** DB25 male, route tubing through handle for dispensing applications; 6-ft (1.8-m) cable
MT-77123-80 **Replacement single-channel Microflex pump head**
MT-07525-90 **Replacement power supply,** 90 to 260 VAC

Microbore Pump Tubing Ordering Information

Tube ID (mm)	Tygon® E-Lab	Silicone (platinum-cured)	Silicone (peroxide-cured)	PharMed® BPT	Tygon E-LFL (long flex life)	Viton®	Puri-Flex™	C-Flex®	Solvent/ hydrocarbon
0.19	MT-06460-10	—	MT-07625-10	MT-95809-10	MT-06449-10	—	MT-96418-10	MT-95718-10	MT-95712-10
0.25	MT-06460-12	—	MT-07625-12	MT-95809-12	MT-06449-12	—	MT-96418-12	MT-95718-12	MT-95712-12
0.51	MT-06460-18	MT-95590-18	MT-07625-18	MT-95809-18	MT-06449-18	MT-97632-18	MT-96418-18	MT-95718-18	MT-95712-18
0.89	MT-06460-26	MT-95590-26	MT-07625-26	MT-95809-26	MT-06449-26	MT-97632-26	MT-96418-26	MT-95718-26	MT-95712-26
1.14	MT-06460-30	MT-95590-30	MT-07625-30	MT-95809-30	MT-06449-30	MT-97632-30	MT-96418-30	MT-95718-30	MT-95712-30
1.42	MT-06460-34	MT-95590-34	MT-07625-34	MT-95809-34	MT-06449-34	MT-97632-34	MT-96418-34	MT-95718-34	MT-95712-34
2.06	MT-06460-42	MT-95590-42	MT-07625-42	MT-95809-42	MT-06449-42	MT-97632-42	MT-96418-42	MT-95718-42	MT-95712-42
2.79	MT-06460-48	MT-95590-48	MT-07625-48	MT-95809-48	MT-06449-48	MT-97632-48	MT-96418-48	MT-95718-48	MT-95712-48
Length/pk	30.4 m (100 ft)	15.2 m (50 ft)	No Match!	30.4 m (100 ft)	30.4 m (100 ft)	15.2 m (50 ft)	15.2 m (50 ft)	15.2 m (50 ft)	15.2 m (50 ft)
Price/pk									

Flow Rates in mL/min

rpm	Microbore pump tubing size (ID)							
	0.19 mm	0.25 mm	0.51 mm	0.89 mm	1.14 mm	1.42 mm	2.06 mm	2.79 mm
1.7 to 10	0.002 to 0.013	0.004 to 0.022	0.015 to 0.087	0.041 to 0.25	0.064 to 0.39	0.09 to 0.57	0.18 to 1.05	0.28 to 1.65
13 to 80	0.017 to 0.10	0.03 to 0.18	0.12 to 0.70	0.33 to 2.0	0.52 to 3.1	0.75 to 4.5	1.4 to 8.5	1.8 to 11.0
50 to 300	0.06 to 0.39	0.11 to 0.66	0.43 to 2.6	1.2 to 7.5	1.9 to 11.4	2.8 to 17.1	5.3 to 32	7.2 to 43
0.1 to 300	0.00013 to 0.39	0.0002 to 0.66	0.0009 to 2.6	0.003 to 7.5	0.004 to 11.4	0.006 to 17.1	0.011 to 32	0.014 to 43

Masterflex® L/S® Digital Miniflex® Pumps

Small footprint, yet delivers accurate flow over a wide range

- Flow range of 0.004 to 315 mL/min (depending on tubing size)
- Tubing calibration function ensures accuracy
- Open-head sensor stops drive when pump head is opened
- Remote control via 25-pin connector on back of drive
- Automatic tubing retention makes tube loading quick and easy

Compact, stackable pump with durable ABS housing is easy to wipe down. The Miniflex pump head features a wide occlusion angle that prevents fluid backflow up to the rated pressure of the tubing. Self-lubricating thermoplastic polyester rollers are low friction and long wearing for smooth operation and long life.

NEW

FEATURES
- ✓ Flow rates: 0.004 to 315 mL/min
- ✓ Intuitive icon-driven programming
- ✓ Tubing calibration for accuracy
- ✓ Single- or dual-channel models

Flow Rates (mL/min) at 0.1 to 300 rpm

Pump model	Precision pump tubing			
	L/S 13	L/S 14	L/S 16	L/S 25
07525-20	0.004 to 12	0.014 to 42	0.05 to 162	0.11 to 315
07525-40	0.004 to 12	0.014 to 42	0.05 to 162	—

ISO9001:2008 CERTIFIED SUPPLIER

Power supplies are: cULus GS CE

Number of channels	rpm	Speed control (repeatability)	Reversible motor	IP rating	Dimensions (L x W x H)	Power (50/60 Hz)		Catalog number	Price
						VAC	Amps		
1	0.1 to 300	±0.1%	Yes	IP33	9.4" x 5.5" x 6.2" (23.9 x 14.0 x 15.7 cm)	90 to 260	0.34 at 115 VAC, 0.2 at 230 VAC	MT-07525-20	
2								MT-07525-40	

MT-07523-92 Foot switch, momentary start/stop; DB25 male; 6-ft (1.8-m) cable

MT-07523-95 Cable assembly, DB25 male connector and 25-ft (7.9-m) cable with stripped wire ends

MT-07523-97 Handheld remote controller, DB25 male, route tubing through handle for dispensing applications; 6-ft (1.8-m) cable

MT-17050-01 NIST-traceable calibration with data for peristaltic pump drive

Masterflex® L/S® Digital Miniflex® Media Dispensing Pump Systems

Faster and more reliable than pouring media by hand

- Accurately dispense culture media, buffer solutions, diluents, nutrients, additives, and other fluids
- Minimize risk of human error and contamination—copy dispense function lets you easily set repeat dispense volumes, and programmable delay interval pauses pump between cycles
- Extremely flexible—dispense volumes from 0.1 to 9999 mL at flow rates from 0.11 to 315 mL/min
- BioPharm Plus silicone pump tubing offers low spallation, long pumping life, and exceptional flow stability over time

Boost efficiency and ergonomics in your lab's dispensing and filling regimens—these systems offer better accuracy and greater reliability than hand pouring, manual pipetting, or bottletop dispensers.

These complete media dispensing systems will have you filling plates, flasks, vials, and bottles right out of the box—with your choice of a hands-free foot switch or handheld remote controller.

ISO9001:2008 CERTIFIED SUPPLIER

Power supplies are: cULus GS CE

NEW

System 77922-10 with foot switch and stand assembly

System 77922-12 with handheld remote controller

Description	Power	Catalog number	Price
System with hands-free foot switch, lab stand, support rod, frame clamp, nozzle clamp, and stainless steel nozzle	90 to 260 VAC, 50/60 Hz	MT-77922-10	
System with handheld remote controller		MT-77922-12	

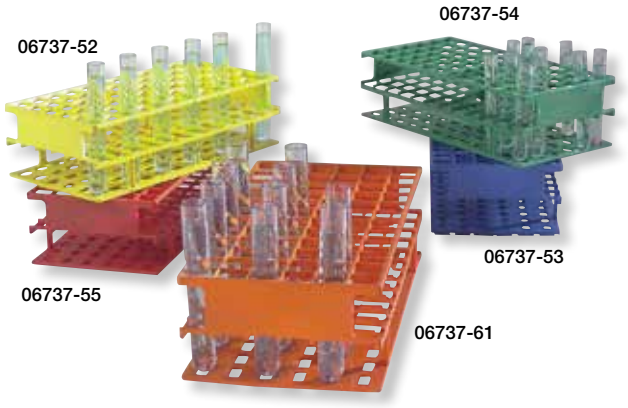
MT-96440-25 Additional Masterflex L/S 25 BioPharm Plus silicone pump tubing, 25 ft (7.6 m)

Both systems include: L/S digital pump drive with single-channel Miniflex pump head, PTFE tube weight to hold tubing in source container, and 25 ft (7.6 m) of L/S 25 BioPharm Plus silicone tubing.

Thermo Scientific™ Nalgene™ Unwire™ Test Tube Racks, Resmer®

Chip, scratch, and corrosion resistant

- Position in waterbaths or freezers with ease
- Autoclavable



Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Tube size (mm)	Tubes held (array)	Color	Qty/pk	Catalog number	Price/pk
13	72 (6 x 12)	White	1	MT-06737-50	
13	72 (6 x 12)	Orange	1	MT-06737-51	
13	72 (6 x 12)	Yellow	1	MT-06737-52	
13	72 (6 x 12)	Blue	1	MT-06737-53	
13	72 (6 x 12)	Green	1	MT-06737-54	
13	72 (6 x 12)	Red	1	MT-06737-55	
16	72 (6 x 12)	White	1	MT-06737-60	
16	72 (6 x 12)	Orange	1	MT-06737-61	
16	72 (6 x 12)	Yellow	1	MT-06737-62	
16	72 (6 x 12)	Blue	1	MT-06737-63	
16	72 (6 x 12)	Green	1	MT-06737-64	
16	72 (6 x 12)	Red	1	MT-06737-65	
20	40 (4 x 10)	White	1	MT-06737-70	
25	40 (4 x 10)	White	1	MT-06737-80	
30	24 (3 x 8)	White	1	MT-06737-90	

Find even more online! Go to ColeParmer.ca to search more than 100,000 products.

Test Tube Support System, PP

One rack, virtually limitless versatility

- Rotate cubes to accommodate different tube sizes
- Consists of four cubes and tray
- Autoclavable

Compatible tube sizes	Cat. no.	Price
15- and 50-mL conical; 12 x 75 mm, 13 x 100 mm, 16 x 125 mm, and 17 x 100 mm culture; and 1.5- and 2.0-mL microcentrifuge	MT-06733-00	

Scienceware® Test Tube Racks, PP

Hold samples in baths effectively

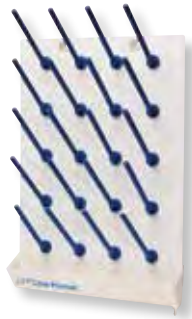
- Open rack drains fluids quickly
- Models 06737-10, -15, and -20 stack with ease
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Tube size (mm)	Tubes held (array)	Qty/pk	Catalog number	Price/pk
10 to 13	72	1	MT-06737-10	
13 to 16	40	1	MT-06737-15	
16 to 20	40	1	MT-06737-20	
21 to 25	40	1	MT-06737-30	
26 to 30	24	1	MT-06737-40	

Cole-Parmer® Drying/Draining Rack, PP

Don't let water collect



- Draining port allows water to drain back to sink
- Pegs screw-in for removal to accommodate different size labware
- Features 5 tiers; 20 pegs

Cole-Parmer®

Dimensions (W x H x D)		Catalog number	Price
13¾" x 19¼" x 2¼"	34.9 x 48.9 x 5.7 cm	MT-06045-91	

Scienceware® Lab-Aire® II Drying Racks

Configure to your labware

- Reposition pegs to accommodate labware
- Scalloped well drip tray allows for drying of burettes and pipettes
- Won't corrode

Description	No. of pegs	Dimensions (W x H x D)		Catalog number	Price
Single-sided drying racks					
1 tier, benchtop/wall mount	19	16" x 9¼" x 7½"	40.6 x 23.5 x 19.1 cm	MT-06733-91	
2 tier, benchtop 2 tier, wall mount	38	16" x 16¼" x 7½"	40.6 x 41.3 x 19.1 cm	MT-06733-93 MT-06733-98	
3 tier, benchtop 3 tier, wall mount	57	16" x 23¾" x 7½"	40.6 x 60.3 x 19.1 cm	MT-06733-94 MT-06733-99	
Double-sided drying racks					
1 tier, benchtop	38	16" x 9¼" x 10½"	40.6 x 23.5 x 26.7 cm	MT-06733-95	
2 tier, benchtop	76	16" x 16¼" x 10½"	40.6 x 41.3 x 26.7 cm	MT-06733-96	
3 tier, benchtop	114	16" x 23¾" x 10½"	40.6 x 60.3 x 26.7 cm	MT-06733-97	

Wall-mount racks are sized to fit standard pegboards

Modular Drying Racks, 304 SS

Customizable to your needs in seconds

- Easy-to-clean, corrosion-resistant stainless steel racks and polypropylene (PP) pegs
- No mess—catch drain directs drainage to drip trough
- Autoclavable
- Include 6"L pegs, SS drain tube, and wall-mounting bracket

Color of pegs (included)	Catalog number	Price/ea
32-peg racks measure 24"W x 30"H x 4"D (61 x 76.2 x 10.2 cm)		
White	MT-67035-00	
Assorted†	MT-67035-02	
50-peg racks measure 30"W x 30"H x 4"D (76.2 x 76.2 x 10.2 cm)		
White	MT-67035-10	
Assorted†	MT-67035-12	
Black	MT-67035-14	
60-peg racks measure 36"W x 30"H x 4"D (91.4 x 76.2 x 10.2 cm)		
White	MT-67035-20	
Assorted†	MT-67035-22	
Black	MT-67035-24	

†Assorted peg colors include yellow, orange, pink, red, green, light blue, dark blue, lilac, and purple.

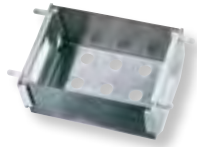
Rack 67035-02 shown with drain basket and glove dispenser

Rack 67035-10 shown with pipette rack and screen insert

Add-On Accessories, 304 SS

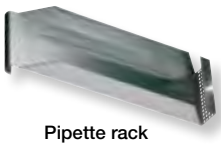
These accessories include the necessary "snap-in" support pegs to quickly and easily attach to the rack. **Drain basket** holds small items such as stir bars, stoppers, and pipette tips. **Drain shelf** is ideal for drying and storing various glassware items. **Pipette rack** hangs at an angle to allow for complete drainage of pipettes. **Funnel rack** holds four funnels, volumetric flasks, or small cylinders. **Cylinder yoke** holds two cylinders. **Flask holder** accepts one large flask, cylinder, or separatory funnel. **Glove dispenser** provides a convenient spot for one box of gloves. **Screen inserts** fit into the drip trough and increase the drying capacity of the rack.

Description	Catalog number	Price/ea
Drain basket, 6"W x 2½"H (15.2 x 6.4 cm)	MT-67035-70	
Drain shelf, 14"W (35.6 cm)	MT-67035-71	
Pipette rack, 12½"L (31.8 cm)	MT-67035-72	
Funnel rack, 14"W (35.6 cm)	MT-67035-73	
Cylinder yoke, 14"W (35.6 cm)	MT-67035-74	
Flask holder, 8"W (20.3 cm)	MT-67035-75	
Glove dispenser, 10"W x 5¾"H (25.4 x 14.6 cm)	MT-67035-76	
Screen insert, 24"W (61 cm)	MT-67035-77	
Screen insert, 30"W (76.2 cm)	MT-67035-78	
Screen insert, 36"W (91.4 cm)	MT-67035-80	



Drain basket 67035-70

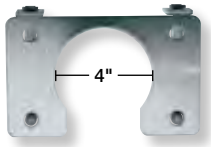
Drain shelf 67035-71



Pipette rack 67035-72

Funnel rack 67035-73

Cylinder yoke 67035-74



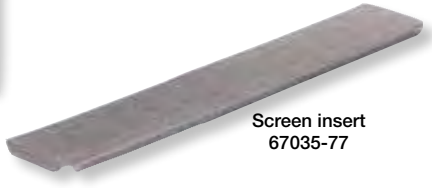
Flask holder 67035-75

Plugs and Pegs, Molded Polypropylene

Removable "snap-in" plugs and pegs come in packs of six.

Description	Catalog number	Price/pk
White hole plugs	MT-67035-79	
White tube pegs, 4"L x 5/16" dia (10.2 x 0.8 cm)	MT-67035-90	
White long pegs, 9"L x ⅝" dia (22.9 x 1.6 cm)	MT-67035-91	
White long pegs, 12"L x ⅝" dia (30.5 x 1.6 cm)	MT-67035-92	

Glove dispenser 67035-76



Screen insert 67035-77

Cryo-Apron® Aprons

Withstand temperatures to –256°F (–160°C)

- Waterproof—keeps liquids and cold equipment from contacting the torso
- Stands up to use with LN_2 vapor phase and liquefied natural gas (LNG)
- Breathable nylon on sides, resists most chemicals
- Machine washable

Adjustable plastic fasteners at waist and neck snap easily into place, even when you're wearing gloves.

Size (L x W)	Catalog number	Price/ea
36" x 24" (91.4 x 60.9 cm)	MT-09113-36	
42" x 24" (106.6 x 60.9 cm)	MT-09113-38	
48" x 24" (121.9 x 60.9 cm)	MT-09113-40	

Cuffed Unisex Lab Coats

Make wearing a lab coat a snap

- Easy to secure with six snaps up front
- Protect wrist and arms with polyester knit cuffs

An inside breast pocket prevents product contamination. Two additional patch-type pockets can be used in less stringent environments. White polyester and cotton blend poplin is easy to care for, looks fresh, and stays wrinkle-free all day. Made in the USA.

Lab coats are also available with your name custom embroidered above the left breast pocket. Royal blue embroidery fashions your name in a roman block font measuring ¾" (1.9 cm) H. Please specify the name(s) you want embroidered (up to 11 characters) when you place your order.

Personalize your lab coat for a more professional look!

Size	Length	Lab coat		Embroidered lab coat	
		Cat. no.	Price	Cat. no.	Price
Small (36–38)	41½" (105 cm)	MT-86351-00		MT-86351-10	
Medium (38.5–42)		MT-86351-02		MT-86351-12	
Large (42.5–46)		MT-86351-04		MT-86351-14	
X-large (46.5–50)		MT-86351-06		MT-86351-16	

META Unisex Poly-Cotton Lab Coats

No more stains

- Polyester/cotton blend resists stains

Side slits allow easy access to pants pockets. Coats are 40" (101.6 cm) long and feature three spacious pockets and an adjustable back belt.

"Awesome protection."

Navy

Adjustable back belt

White

Black

Light blue

Unisex size	Length	White	Light blue	Black	Navy blue
M (36-40)	40" (101.6 cm)	MT-10503-04 /ea*	MT-10505-04 /ea*	MT-10503-14 /ea*	MT-10504-04 /ea*
L (42-44)	40" (101.6 cm)	MT-10503-05 /ea*	MT-10505-05 /ea*	MT-10503-15 /ea*	MT-10504-05 /ea*
XL (46-48)	40" (101.6 cm)	MT-10503-06 /ea*	MT-10505-06 /ea*	MT-10503-16 /ea*	MT-10504-06 /ea*
XXL (50-52)	40" (101.6 cm)	MT-10503-07 /ea*	MT-10505-07 /ea*	MT-10503-17 /ea*	MT-10504-07 /ea*
XXXL (54-56)	40" (101.6 cm)	MT-10503-08 /ea*	MT-10505-08 /ea*	MT-10503-18 /ea*	MT-10504-08 /ea*

*Discounts: Save 10% on 6–11 coats; 15% on 12–23 coats; 20% on 24+ coats.

META Fluid-Resistant Lab Coats

Liquid won't soak in—beads and rolls off

- Repels water and other liquids with NANO-TEX™ protection
- Lab coats are constructed of 65% polyester/35% cotton fabric

Coats feature a five-button front, three exterior pockets, and one interior (lower right) pocket to maximize functionality. One-piece back includes a two-button swing belt for added style and a better fit. White.

Size	Length	Catalog number	Price per lab coat	
			1 ea	6 ea
Men's lab coats				
Small	40" (101.6 cm)	MT-86468-00		
Medium		MT-86468-02		
Large		MT-86468-04		
X-large		MT-86468-06		
Women's lab coats				
Small	40" (101.6 cm)	MT-86468-01		
Medium		MT-86468-03		
Large		MT-86468-05		
X-large		MT-86468-07		

DuPont™ Tyvek® Coveralls

Tear-free, whole body protection

- Rugged fabric resists tears, snags, punctures, and abrasions
- Easy-zip front for quicker donning

Non-woven fabric provides protection against particulates. Tyvek is chemically and biologically inert, low linting, and static-free until laundered.

Compliance: sizing requirements of ANSI/ISEA 101-1996

86225-01

Size	Catalog number	Price per unit	
		1 ea	25 ea‡
Coveralls			
Medium	MT-86225-01		
Large	MT-86225-02		
X-large	MT-86225-03		
XX-large	MT-86225-04		
Coveralls with elastic wrists			
Medium	MT-86225-11		
Large	MT-86225-12		
X-large	MT-86225-13		
XX-large	MT-86225-14		
Coveralls with elastic wrists and hood			
Medium	MT-86225-21		
Large	MT-86225-22		
X-large	MT-86225-23		
XX-large	MT-86225-24		
Coveralls with elastic wrists, hood, and boots			
Medium	MT-86225-35		
Large	MT-86225-36		
X-large	MT-86225-37		
XX-large	MT-86225-38		

‡**Discount:** Save 10% on 25 or more coveralls of any combination of sizes and styles

Face Masks

Fluid-resistant and disposable

Three-ply pleated design offers 0.05 micro filtration at greater than 99%. Masks are constructed of soft, non-woven polypropylene with full-length aluminum bridge to form comfortably to the nose and face. Select from ear loop, tie-on, or shielded styles.

Description	Size	Qty/pk	Catalog number	Price per pk	
				1 pk	20 pk
Ear loop	—	50	MT-86495-20		
Tie-on		50	MT-86495-22		
Shielded		25	MT-86495-30		

Safety Eyewear Organizer

Keep safety glasses within reach

Acrylic holder hangs on wall or sits on table. Isolates eyewear to prevent scratching. Compartments can be labeled for each user.

Capacity	Dimensions (W x H x D)		Catalog number	Price
	in.	cm		
12 pair	12¼ x 9¼ x 6¾	31.1 x 23.5 x 17.1	MT-86307-00	
20 pair	15¼ x 12¼ x 6¾	38.7 x 31.1 x 17.1	MT-86307-05	

Smith & Wesson® Magnum™ 3G Glasses

Customizable for a secure fit

- Ribbed, nonslip rubber nose-piece provides for all-day comfort
- Adjustable temples with four lengths

Choose from three styles—Magnum™ glasses feature a black frame, Magnum Elite™ glasses feature a matte-finish platinum frame, and Mini-Magnum™ glasses are styled to fit individuals who require a smaller version.

Compliance: ANSI Z87.1+ (High impact)

Frame color	Lens	Catalog number	Price per pair	
			1 pr	10 pr
Magnum™ safety glasses				
Black	Clear	MT-86285-00		
	Fog-free clear	MT-86285-01		
Magnum Elite™ safety glasses				
Platinum	Clear	MT-86285-10		
Mini-Magnum™ safety glasses				
Black	Clear	MT-86286-00		

Polypropylene (PP) Shoe Covers

Don't contaminate your facility

- Skid-free version provides greater traction and safety

These shoe covers are made of 100% spunbond PP. The non-woven fabric is available in two styles: regular or skid-free sole.

Description	Size	Qty/cs	Catalog number	Price per case	
				1 cs	12 cs
Regular sole Skid-free sole	Extra large	150 pair	MT-86227-82 MT-86227-92		

Ansell TNT™ Blue Disposable Nitrile Gloves

Durable and comfortable

- Static dissipative to eliminate static electricity
- Textured fingertips for better gripping
- Powder-free
- Ambidextrous

Compliance: FDA regulations for food contact.

Size	Length	Thickness	Qty/ bx	Catalog number	Price per box	
					1 bx	10 bx
Small	9½" (24 cm)	5 mil	100	MT-81601-04		
Medium				MT-81601-05		
Large				MT-81601-06		
X-large				MT-81601-07		

Showa® Best® N-DEX® Nitrile Gloves

Keep your cool—special formulation for comfort, less fatigue

- Nonlatex—made of soft 100% lightweight nitrile
- Fewer punctures—three times the resistance of rubber or vinyl
- Ambidextrous

Puncture resistant gloves withstand tough conditions

General and Laboratory Grade N-DEX Gloves protect your hands from the environment. Available in low-powder† or powder-free versions.

Industrial Grade N-DEX Plus Gloves are thicker for greater puncture and tear resistance. Gloves provide good resistance to chemicals and abrasion. Ideal for tough lab conditions, assembly, or manufacturing. Available only in low-powder† version.

Compliance: FDA 21 CFR, parts 170-199, acceptable for food and pharmaceutical use.

CE

Size	Length	Thickness	Qty/pk	Catalog number	Price per pack	
					1 pk	10 pk
General and laboratory grade low-powder† N-DEX gloves						
Small	9½" (24 cm)	4 mil	100	MT-86287-70		
Medium				MT-86287-71		
Large				MT-86287-72		
X-large				MT-86287-73		
General and laboratory grade powder-free N-DEX gloves						
Small	9½" (24 cm)	4 mil	100	MT-86287-80		
Medium				MT-86287-81		
Large				MT-86287-82		
X-large				MT-86287-83		
Industrial grade N-DEX Plus low-powder† gloves						
Small	9½" (24 cm)	8 mil	50	MT-86287-60		
Medium				MT-86287-61		
Large				MT-86287-62		
X-large				MT-86287-63		

†USP grade cornstarch

Cole-Parmer® ThinTouch™ Nitrile Gloves

Soft feel and textured for better grip

- Specially formulated for enhanced tactile sensitivity
- Higher tensile strength for puncture and tear resistance
- Ergonomic design for user comfort—powder-free, ambidextrous

Cole-Parmer®

Size	Length	Thickness	1 box of 100		10 boxes of 100	
			Cat. no.	Price	Cat. no.	Price
Small	9½" (24 cm)	4.0 mil	MT-15954-42		MT-15954-24	
Medium			MT-15954-43		MT-15954-25	
Large			MT-15954-44		MT-15954-26	
X-large			MT-15954-45		MT-15954-46	

Ansell Touch N Tuff™ Nitrile Gloves

Keep dexterity without sacrificing safety

- Thin formulation, yet resists punctures and tears
- No fillers—gloves are 100% nitrile
- Ambidextrous

Compliance: FDA regulations for food contact.

CE

Size	Length	Thickness	Qty/ bx	Catalog number	Price per box	
					1 bx	10 bx
Powdered gloves						
Small	9½" (24 cm)	4 mil	100	MT-81602-40		
Medium				MT-81602-50		
Large				MT-81602-60		
X-large				MT-81602-70		
Powder-free gloves						
Small	9½" (24 cm)	4 mil	100	MT-81602-45		
Medium				MT-81602-55		
Large				MT-81602-65		
X-large				MT-81602-75		

High Five® A+ Aloe™ Nitrile Gloves

No more chapping or cracking

- Interior coating for soothing feel
- Free from latex and natural rubber proteins
- Good chemical and puncture resistance
- Ambidextrous

Size	Length	Thickness	Qty/case	Catalog number	Price per case
Small	9½" (24 cm)	5 mil	1000	MT-86480-45	
Medium				MT-86480-46	
Large				MT-86480-47	
X-large				MT-86480-48	

Microflex® Powder-Free Disposable Gloves

Don't lose your grip—nonslip textured surface when wet or dry

- No more irritation—powder-free formulation for more comfort
- Minimize punctures—beaded cuffs for improved tear resistance when donning
- Don't chance safety—disposable gloves eliminate cross-contamination
- Ambidextrous

Diamond-Grip™ Latex Gloves have tapered fingertips to give you a comfortable fit. Triple-chlorination improves chemical resistance. This popular glove is tough, reliable, and comfortable.

Diamond Grip Plus™ Latex Gloves feature a fully textured surface to ensure exceptional grip and superb tactile sensitivity for instrument manipulation.

Evolution One® Latex Gloves exhibit superior flexibility, dexterity, and grip, yet are cool and comfortable to wear. Polymer-coated interior makes them easy to put on and take off.

FreeForm® SE Nitrile Gloves offer superior comfort and elasticity with a "super soft" formulation that feels like latex. Conforms to the contours of your hands as you move—minimizing unnecessary hand stress and enabling a full range of motion.

MidKnight® Nitrile Gloves are ideal for use in demanding work environments that require reliable performance and consistent grip. Unique black color hides dirt and stains. Gloves are fully textured for a firm grip in wet or dry applications.

XCEED® Nitrile Gloves feature increased strength which allows decreased thickness for reduced muscle effort and enhanced tactile sensitivity. Same size box contains more than twice the normal amount of gloves—saving you money, time, and storage space.

Compliance: Latex gloves meet/exceed ASTM requirement D3578-00; nitrile gloves meet/exceed ASTM D6319.

Size	Material	Length	Thickness	Qty/cs	Catalog number	Price/cs
Diamond Grip latex gloves						
Small	Latex	9½" (24 cm)	7.1 mil	10 boxes of 100 (1000 total)	MT-86231-35	
Medium					MT-86231-36	
Large					MT-86231-37	
X-large					MT-86231-38	
Diamond Grip Plus latex gloves						
Small	Latex	9½" (24 cm)	6.3 mil	10 boxes of 100 (1000 total)	MT-86232-05	
Medium					MT-86232-06	
Large					MT-86232-07	
X-large					MT-86232-08	
Evolution One latex gloves						
Small	Polymer-coated latex	9½" (24 cm)	5.9 mil	10 boxes of 100 (1000 total)	MT-86231-25	
Medium					MT-86231-26	
Large					MT-86231-27	
X-large					MT-86231-28	
FreeForm SE nitrile gloves						
Small	Nitrile	9½" (24 cm)	5.1 mil	10 boxes of 100 (1000 total)	MT-86445-20	
Medium					MT-86445-21	
Large					MT-86445-22	
X-large					MT-86445-23	
MidKnight nitrile gloves						
Small	Nitrile	9½" (24 cm)	5.5 mil	10 boxes of 100 (1000 total)	MT-86445-15	
Medium					MT-86445-16	
Large					MT-86445-17	
X-large					MT-86445-18	
XCEED nitrile gloves						
X-small	Nitrile	9¼" (23.5 cm)	4.3 mil	10 boxes of 250 (2500 total†)	MT-86445-35	
Small					MT-86445-36	
Medium					MT-86445-37	
Large					MT-86445-38	
X-large					MT-86445-39†	

†Case of X-large size has 10 boxes of 230 for 2300 total.

"These gloves are strong and tough."

Bonnie, MA

Cole-Parmer® Double-Ended Spoon Set, 304 SS

Sample from both ends

– Minimize discomfort—solid rounded shafts for more comfortable handling

Set contains three spoons: a 5⅞" (14.9 cm) long spoon with 0.5 mL and 2.0 mL bowls, an 8¼" (21 cm) long spoon with 1.6 mL and 5.0 mL bowls, and an 11⅞" (30.2 cm) long spoon with 2.0 mL and 8.0 mL bowls.

Set contains three spoon sizes

Cole-Parmer®

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Qty/set	Catalog number	Price/set*
Three spoons	MT-06261-00	

*One set qualifies as one pack for discount savings.

Cole-Parmer® Scoops, SS

Won't corrode—ideal for food-grade sampling

– Choose 304 stainless steel for higher corrosion resistance

Cole-Parmer®

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Scoop (L x dia)	Catalog number	Qty/pk	Price/pk
201 Stainless steel scoops				
175 (5.5)	5½" x 3" (14 x 7.6 cm)	MT-07205-01	1	
1550 (52)	10" x 5¾" (25.4 x 14.6 cm)	MT-07205-03†	1	
304 Stainless steel scoop				
1550 (52)	7⅛" x 5¼" (18.1 x 13.3 cm)	MT-07210-00	1	

†Model 07205-03 has a hook on the end for convenient storage.

Scienceware® Sterile Sampling Spoons, PS

Stop washing spoons

– Individually sterilized and bagged in a polyethylene bag

– Ideal for single use

STERILE

Capacity	Handle length	Catalog number	Qty/cs	Price/cs
¼ tsp (1.2 mL)	6⅛" (15.5 cm)	MT-06263-10	200	
½ tsp (2.5 mL)	5⅞" (14.9 cm)	MT-06263-20	200	
1 tsp (4.9 mL)	5½" (14.0 cm)	MT-06263-30	200	
1 tbsp (14.8 mL)	5¼" (13.3 cm)	MT-06263-40	200	

Rubbermaid® Square Scoop, PE

Stands on end—will not tip over

– Get large quantity scooping easily

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Dimensions (L x W x H)	Catalog number	Qty/pk	Price/pk
2000 (64)	8¼" x 6" x 5" (21.0 x 15.2 x 12.7 cm)	MT-06277-00	1	

Scienceware® Sterile Sampling Scoops, PS

No need to presterilize

– Come sterilized in individual polyethylene bags

– Ideal for single use

STERILE

Capacity mL (oz)	Scoop (L x W)		Handle length		Catalog number	Qty/cs	Price/cs
	in.	cm	in.	cm			
60 (2)	3 x 1	7.6 x 2.5	4	10.2	MT-06260-10	100	
120 (4)	3½ x 1	8.9 x 2.5			MT-06260-20		

Scienceware® Autoclavable Scoops, PP

Eliminate contamination risks

– Autoclavable at 250°F (121°C) to maintain sample integrity

– Rigid, strong design stands up to your needs

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Capacity mL (oz)	Scoop (L x W)		Catalog number	Qty/pk	Price/pk
	in.	cm			
22 (¾)	2⅜ x 1⅛	6.0 x 2.9	MT-06275-15	12	
60 (2)	3 x 1½	7.6 x 3.8	MT-06275-16	12	
75 (2½)	3½ x 1½	8.9 x 3.8	MT-06275-17	12	
100 (3½)	3⅝ x 1⅞	9.2 x 4.8	MT-06275-18	12	
200 (6¾)	5 x 2	12.7 x 5.1	MT-06275-19	12	
1100 (37)	8 x 4¾	20.3 x 12.1	MT-06275-20	6	

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with quality products you can trust

Cole-Parmer® Symmetry®
Touch-Screen Balances

Better weighing with just a touch

- Capacitive touch-screen display provides clear visibility to weighing results and menu options
- Go touchless—two IR proximity sensors offer programmable touch-free control
- USB, RS-232, Ethernet, and Wi-Fi interfaces ensure a secure connection with peripheral devices

See pages 5–6

Masterflex® Drives with Advanced
Networking & Communication

Faster, less expensive automation integration—no need for gateways

- Native Ethernet/IP or Profibus communication for industrial networking, bioprocessing, or water/wastewater applications
- Bluetooth Low Energy (BLE) connectivity and iOS-based mobile app permit local pump monitoring and control
- Cloud-based remote pump monitoring capability provides operational status and alerts

To learn more, go to
ColeParmer.ca/Masterflex-Comms

Not sure what to choose? Get free tech support at 1-800-363-5900

Cole-Parmer® Tube Roller Shakers

Get complete mixing

- Rocking and rolling action is ideal when minimum aeration is needed—like viscous substances or liquid-solid suspensions
- Solid construction—use in cold rooms or incubators
- Expand your capacity with optional stacking kit

The 6-roller units offer a space-saving design perfect for incubator use while the larger 9-roller units offer high throughput. Both accommodate most tube and bottle sizes.

Cole-Parmer®

Speed range	Number of rollers	120 VAC, 60 Hz		230 VAC, 50 Hz	
		Catalog number	Price	Catalog number	Price
Analog tube roller shakers					
Fixed at 33 rpm	6	MT-04750-22		MT-04750-20	
	9	MT-04750-30		MT-04750-28	
Digital tube roller shakers with built-in timer					
Adjustable from 5 to 60 rpm	6	MT-04750-26		MT-04750-24	
	9	MT-04750-34		MT-04750-32	

MT-04653-09 **Stacking kit** includes four blocks. One kit will stack two shakers; order two kits to stack three shakers

Cole-Parmer® Vortex Shaker

Adjustable speed for more control

- Use at 200 rpm for more gentle mixing, all the way up to 2500 rpm for vigorous agitation
- Heavy die-cast body won't dance across your bench
- Choose between "touch" on or continuous modes

What's included:
standard rubber cup.

Cole-Parmer®

Orbit size	Speed range	Power		Catalog number	Price
		VAC	Hz		
5/32" (4.2 mm) dia	200 to 2500 rpm	90 to 240	50/60	MT-04750-51	

Accessories

MT-04729-07 **Accessory pack** includes heads for standard microplate, beaker or flask (up to 500 mL), 8 x 0.2-/0.5-mL microtubes, 16 x 1.5-mL microcentrifuge tubes, and customizable blank foam

Cole-Parmer® Orbital Shakers

Designed for problem-free continuous use

- Smooth, uniform circular motion—perfect for both multiwell plates and large flasks
- Fit into environmental chambers and incubators for culturing and aeration applications
- Easily set and read speed and time on the digital display

51700-13

51700-15

Cole-Parmer®

Compact Shaker is ideal for smaller sample sizes of 0.5 to 5 mL in multiwell plates, dishes, and petri dishes. Included flat platform holds up to four standard-sized microwell plates on a nonslip rubber mat. Or order the optional expansion platform to double the plate capacity to eight plates. Choose the optional cradle-type platform with adjustable rubber bars to securely hold four 250-mL flasks or any combination of vessel sizes for maximum flexibility.

Large-Capacity Shaker includes a cradle-type platform with four adjustable rubber bars to hold a variety of bottles and flasks; accommodates twelve 250-mL, nine 500-mL, six 1000-mL, or two 2000-mL Erlenmeyer flasks. A larger cradle platform with six bars is available. Or order the optional flat platform for processing up to twelve standard microwell plates simultaneously.

Specifications

Speed range: 30 to 300 rpm
Orbit size: 5/8" (16 mm) dia
Timer: 1 to 999 minutes

Platform dimensions	Max load	Overall dimensions (W x H x D)	Power		Catalog number	Price
			VAC	Hz		
Compact shaker						
8 21/32" x 8 21/32" (22 x 22 cm)	6.6 lb (3 kg)	9 1/2" x 5 1/2" x 11 7/8" (24 x 14 x 30 cm)	120	60	MT-51700-13	
			230	50	MT-51700-14	
Large-capacity shaker						
13 3/16" x 13 3/16" (33.5 x 33.5 cm)	22 lb (10 kg)	14 1/8" x 10 5/8" x 16 1/2" (36 x 27 x 42 cm)	120	60	MT-51700-15	
			230	50	MT-51700-16	

For Compact Shaker

MT-51700-97 **Cradle platform** with four rubber securing bars
MT-51700-98 **Expansion platform** with nonslip rubber mat. Holds 8 microwell plates
MT-51700-99 **Plastic cover**

For Large-Capacity Shaker

MT-51700-95 **Cradle platform** with six rubber securing bars, measures 20" x 20" (51 x 51 cm). Max speed is 150 rpm
MT-51700-96 **Flat platform** with nonslip rubber mat. Holds 12 microwell plates

Cole-Parmer® Microplate Shakers

Mix micro-volumes effectively

- Digital display ensures reproducible results
- Platform with lip and nonskid mat holds plates securely
- Set built-in timer for up to 9999 minutes or use continuous mode

This shaker operates with a small orbit at high speed. Program a saved time and speed profile for routine tasks with the user-friendly interface. Optional tube adapter racks hold microcentrifuge tubes.

Cole-Parmer®

Specifications

Speed range: 250 to 1250 rpm **Orbit size:** 1/16" (1.5 mm)

Number of plates	Max load	Platform dimensions	Power VAC	Power Hz	Catalog number	Price
4	2.2 lb (1 kg)	8⅝" x 8⅝" (22 x 22 cm)	120	60	MT-51900-57	
			230	50	MT-51900-55	
8	4.4 lb (2 kg)	12 1/16" x 12 1/16" (30.6 x 30.6 cm)	120	60	MT-51900-51	
			230	50	MT-51900-53	

MT-51900-97 **Tube holder rack,** 50 x 1.5 mL
MT-51900-98 **Tube holder rack,** 50 x 0.5 mL
MT-51900-99 **Tube holder rack,** 50 x 0.2 mL

Cole-Parmer® Reciprocating Shaker

Securely mix a variety of vessels

- Microprocessor-controlled speed maintains consistent shaking
- Prevent sample loss with soft-start function

Shaker features adjustable speed with fixed stroke length, mixing gently to vigorously. Built-in digital timer and continuous operation mode adapt to any mixing protocol. The cradle-type platform with four adjustable rubber bars holds a variety of bottle and flask sizes for maximum flexibility.

Specifications

Speed range: 25 to 250 rpm
Stroke length: ¾" (20 mm)
Max load: 22 lb (10 kg)

Cole-Parmer®

Max load	Platform dimensions	Power VAC	Power Hz	Catalog number	Price
22 lb (10 kg)	13 3/16" x 13 3/16" (33.5 x 33.5 cm)	120	60	MT-51700-08	
		230	50	MT-51700-10	

Cole-Parmer® Rocking Shakers

Mix live cultures without agitation

- See-saw rocking action produces a rolling wave in your samples, ideal for washing
- Firmly grip flat-bottom flasks and plates on nonslip mat
- Get repeatable results with digital speed display and built-in timer
- Triple your capacity with optional magnetic tier—no tools needed

Cole-Parmer®

Specifications

Speed range: 5 to 70 rpm **Angle of tilt:** 7°

Max load	Platform dimensions	Power VAC	Power Hz	Catalog number	Price
Small shaker					
6.6 lb (3 kg)	9¼" x 9¼" (23.5 x 23.5 cm)	120	60	MT-51700-21	
		230	50	MT-51700-22	
Large shaker					
22 lb (10 kg)	14" x 14" (35.5 x 35.5 cm)	120	60	MT-51700-23	
		230	50	MT-51700-24	

MT-51700-93 **Magnetic tier system for small shaker;** two platforms, 4 15/16" (12.5 cm) high per tier
MT-51700-94 **Magnetic tier system for large shaker;** two platforms, 4 15/16" (12.5 cm) high per tier

Cole-Parmer® 3-D Shakers

Gentle gyratory motion for low-foaming agitation

- Adjust the angle of tilt to optimize mixing
- Platform lip and nonslip mat hold flat-sided vessels secure
- Built-in timer and digital speed display ensure repeatable results
- Triple the capacity with optional tier system

Cole-Parmer®

Specifications

Speed range: 5 to 70 rpm **Angle of tilt:** 3° to 12°

Max load	Platform dimensions	Power VAC	Power Hz	Catalog number	Price
Small shaker					
6.6 lb (3 kg)	9¼" x 9¼" (23.5 x 23.5 cm)	120	60	MT-51700-17	
		230	50	MT-51700-18	
Large shaker					
22 lb (10 kg)	14" x 14" (35.5 x 35.5 cm)	120	60	MT-51700-19	
		230	50	MT-51700-20	

MT-51700-93 **Magnetic tier system for small shaker;** two platforms, 4 15/16" (12.5 cm) high per tier
MT-51700-94 **Magnetic tier system for large shaker;** two platforms, 4 15/16" (12.5 cm) high per tier

Scienceware® Sterile Sampling Spatula, PS

Get more volume per scoop

- Designed to hold twice the volume of standard spatulas
- Break up caked material easily with sturdy edge
- Individually sterilized and bagged

STERILE

Overall length	Catalog number	Qty/cs	Price/cs
9" (22.9 cm)	MT-06262-00	100	

Corning® Single-Use Sterile Spatulas, PS

Save time—no more sterilizing

- Individually sterilized and packaged—gamma irradiated with no Eto residues
- Nontoxic and chemical resistant
- Meet USP Class VI requirements

A B C D E

STERILE

Description	Overall length		Qty/cs	Catalog number	Price/cs
	in.	cm			
A. Tapered blade/spoon	9 11/16	24.6	100	MT-06265-00	
B. Small spoon/spoon	9 11/16	24.6	100	MT-06265-02	
C. Round end/spoon	9 11/16	24.6	100	MT-06265-04	
D. V-scoop/spoon	9 11/16	24.6	100	MT-06265-06	
E. Flat-end/spoon	9 11/16	24.6	100	MT-06265-08	

Rubbermaid® Spatulas, PP/Rubber

Scoop, spoon, and spread

- Sturdy polypropylene (PP) handle is permanently bonded to a flexible special rubber blade
- Withstand temperatures to 212°F (100°C)
- NSF-approved

Overall length		Catalog number	Qty/pk	Price/pk
in.	cm			
9½	24.1	MT-06278-15	6	
13½	34.3	MT-06278-25	6	
16½	41.9	MT-06278-35	6	

Smart Spatula™ Disposable Spatulas, PP

Reduce cross-contamination

- Each spatula has scoop and spatula ends for better sampling
- Flexible design will not shatter even if exposed to liquid nitrogen
- Autoclavable

A B C D E

STERILE

Description	Overall length		Catalog number	Qty/pk	Price/pk
	in.	cm			
A. Blue	8¾	22.2	MT-06265-18	300	
B. Opaque	8¾	22.2	MT-06265-12	300	
C. Opaque, antistatic	5½	14.0	MT-06265-14	300	
D. Green, large	12¼	31.1	MT-06265-16	150	
E. Opaque, sterile	8¾	22.2	MT-06265-20	100	

Spatulas, PP

No more bent spatulas

- Spatulas retain original shape even after flexing
- Get excellent chemical and heat resistance
- Autoclavable

Overall length		Catalog number	Qty/pk	Price/1 pk
in.	cm			
4½	11.4	MT-06283-10	10	
6½	16.5	MT-06283-20	12	
8	20.3	MT-06283-30	12	

Lab Spatulas, Nickel/Stainless Steel

Get precise sampling of powders or salts

- Easy-to-clean finish
- Choose the right end style for your needs

A B C D E F G H

Buy More...Save More!

20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

End styles	Overall length		Qty/pk	Catalog number	Price/pk
	in.	cm			
A. Spooned†/flat	5¾	14.6	3	MT-06369-09†	
B. V-shaped/sharpened bent tip	6¼	15.9	3	MT-06369-08	
C. Spooned†/plastisol handle	6½	16.5	3	MT-06369-03†	
D. Tapered/rounded	8	20.3	3	MT-06369-06	
E. Rounded/rounded	8¼	21.0	3	MT-06369-05	
F. Tapered/rounded	7⅛	18.1	3	MT-06369-07	
G. Squared/rounded	7½	19.1	3	MT-06369-18	
H. Spooned/squared	8⅞	22.5	3	MT-06369-16	

†Hayman type end

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METTLER TOLEDO Excellence UV/Visible Scanning Spectrophotometers

Unique, compact layout with no moving parts

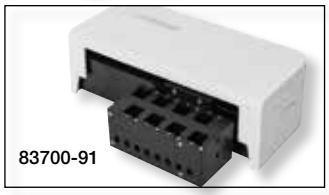
- Get a full-spectrum scan in as little as 1 second
- Fast and easy sample handling with open chamber design
- Always ready for measurement—no warm-up time needed
- Large, color touch screen offers easy navigation and analysis
- Customize shortcuts on home screen to increase productivity
- Bio and Nano models feature predefined biotech/pharma methods and protein and nucleic acid programs—ideal for the life sciences
- Nano model allows measurements over a large concentration range with only 1 µL of sample—just pipette and measure!
- Automate and enhance workflow efficiency with accessories

What's included: 10 x 10 mm cuvette holder, power adapter. Nano model also includes a microvolume pedestal.

NEW

83700-00 and -01

83700-03



83700-91

Model		UV5	UV5A with cuvette changer	UV5Bio for life sciences	Microvolume UV5Nano for life sciences
Catalog number		MT-83700-00	MT-83700-01	MT-83700-02	MT-83700-03
Sample size		Cuvette dependent			1 µL (pedestal)
Number of samples		1	Up to 8	1	1
Bandwith		5 nm			
Wavelength	Range	190 to 1100 nm			
	Accuracy	±1.0 nm			
Absorbance	Range	–0.3 to 5.0 A			
	Accuracy	±0.01 A (potassium dichromate, EUP/USP method)			
Input/output		USB, Ethernet			
Power (VAC, Hz)		100 to 240, 50/60			
Price					

MT-83700-92 **CertiRef™ automated performance verification module** with certified standards, EUP

MT-83700-93 **CertiRef automated performance verification module** with certified standards, USP

MT-83700-91 **Cuvette changer** automatically moves up to eight cuvettes into position for measurements; thermostable

MT-83700-98 **Flow cell,** 10 mm (requires FillPalMini pump)

MT-83700-90 **FillPalMini peristaltic pump** for use with flow cell

MT-83700-99 **Tube set** for FillPalMini pump

MT-83700-95 **Sample holder base.** Required to mount long pathlength and solid film holders

MT-83700-96 **Long pathlength cuvette holder** (requires base 83700-95)

MT-83700-97 **Solid-film sample holder** (requires base 83700-95)

MT-83700-94 **Replacement cuvette holder,** 10 x 10 mm

Cole-Parmer® Scanning UV/Visible Spectrophotometers

Analyze samples more accurately and reliably

- Program up to 30 methods, ideal for GLP verification protocols
- Get graphic display of sophisticated methods for DNA, protein, kinetics, and more
- Preprogrammed methods include DNA/protein ratios, or specify your own parameters with up to 10 wavelengths
- Position up to 8 cuvettes with pathlengths to 100 nm

Cole-Parmer®

Economical units allow you to study reaction kinetics up to 12 hours with sampling intervals down to 0.5 second; use post-run rescaling and curve/segment targeting to refine rate calculations. Scan speed is adjustable from 75 to 1000 nm/min. Use date/time stamping for documentation. Transfer data directly to printer using parallel port or interface with computer using RS-232 port.

Double-beam models feature two detectors measuring sample and reference respectively and simultaneously for optimal accuracy.

What's included: manual 10-mm cell changer (standard 4-cell for single beam; 1-cell for double beam), four glass and two silica 10-mm cuvettes, dust cover, and power cord.

ISO 9001:2008 CERTIFIED SUPPLIER CE

Beam type		Single		Double	
Catalog number		MT-83057-30	MT-83057-35	MT-83057-80	MT-83057-85
Bandwidth		4 nm		1.8 nm	
Wavelength range		190 to 1100 nm		190 to 1100 nm	
Wavelength accuracy		±0.8 nm		±0.3 nm	
Wavelength repeatability		±0.5 nm		±0.2 nm	
Photometric ranges	Transmittance	0 to 200% T			
	Absorbance	–0.3 to 3 A			
	Concentration	0 to 9999 C			
Input /output		USB/RS-232 and parallel port for printer			
Power (VAC, Hz)		115, 60	230, 50	115, 60	230, 50
Price					

Wait!
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Cole-Parmer® Stirrers, Hot Plates, and Stirring Hot Plates

Reduce clutter in your workspace with space-saving design

- Heat one large vessel or several small ones—easily accommodate four 250-mL beakers
- Be safe—flashing light warns when top plate is hot (above 50°C), even when unplugged
- Unique housing allows legs of a support stand to slide underneath
- Conveniently store unit on its side—minimize storage space needed
- Choose ceramic top for better chemical resistance and higher temperatures

04801-65

04801-64

Cole-Parmer®

Analog Stirrers feature powerful magnets and motor to support speeds up to 2000 rpm and large-volume mixing up to 15 L (4 gal.).

Advanced Analog Hot Plates and Stirring Hot Plates feature an innovative LED temperature indicator scale, which lights up in colored increments as the top plate heats up, and shows you when the plate has reached its temperature set point. Use with the optional digital temperature controller to accurately regulate sample temperature.

Advanced Digital Stirring Hot Plates feature an LED display of surface temperature, ensuring high repeatability and accuracy. Compatible with the optional digital temperature controller for precise sample temperatures.

Optional Digital Temperature Controller can be used in two different modes: as a precise temperature controller from 20 to 200°C or as a digital thermometer from -4 to 325°C. With digital setting and display of temperature, the temperature controller is accurate to ±0.5°C.

Top plate		Temperature range	Stirring		Power		Catalog number	Price
Dimensions	Material		Speed range	Max capacity†	VAC	Hz		
Analog stirrers								
6" x 6" (15 x 15 cm)	Ceramic	—	100 to 2000 rpm	15 L	120	60	MT-04801-50	
					230	50	MT-04801-52	
	Stainless steel	—			120	60	MT-04801-54	
					230	50	MT-04801-56	
Advanced analog hot plates								
6" x 6" (15 x 15 cm)	Ceramic	Ambient to 842°F (450°C)	—	—	120	60	MT-04801-20	
					230	50	MT-04801-22	
	Coated aluminum	Ambient to 617°F (325°C)			120	60	MT-04801-24	
					230	50	MT-04801-26	
Advanced analog stirring hot plates								
6" x 6" (15 x 15 cm)	Ceramic	Ambient to 842°F (450°C)	100 to 2000 rpm	15 L	120	60	MT-04801-60	
					230	50	MT-04801-62	
	Coated aluminum	Ambient to 617°F (325°C)			120	60	MT-04801-65	
					230	50	MT-04801-67	
Advanced digital stirring hot plates								
6" x 6" (15 x 15 cm)	Ceramic	Ambient to 842°F (450°C)	100 to 2000 rpm	15 L	120	60	MT-04801-64	
					230	50	MT-04801-66	
	Coated aluminum	Ambient to 617°F (325°C)			120	60	MT-04801-68	
					230	50	MT-04801-70	

†Based on water contained in a 20-L glass flat-bottom flask.

MT-04801-80 **Digital temperature controller** for advanced models

Corning® Digital Stirrers and Stirring Hot Plates

230 VAC models only

Maintain constant speed and temperature

- Conserve lab space—fits inside a hood or cabinet
- Get uniform heating, easy cleaning, and scratch-resistance
- Temperature display is adjustable in 5° increments and indicates when set temperature is reached
- Glass ceramic top holds up to 25 lbs

Top plate dimensions	Temp range	Stirring speed range	Power		Catalog number	Price
			VAC	Hz		
Stirrers						
5" x 7" (12.7 x 17.8 cm)	—	60 to 1150 rpm	120	60	MT-84302-40	
			220	50	MT-84302-45	
10" x 10" (25.4 x 25.4 cm)	—	60 to 1150 rpm	120	60	MT-84302-50	
			220	50	MT-84302-55	
Stirring hot plates						
5" x 7" (12.7 x 17.8 cm)	41 to 1022°F (5 to 550°C)	60 to 1150 rpm	120	60	MT-84303-40	
			220	50	MT-84303-45	
10" x 10" (25.4 x 25.4 cm)	41 to 1022°F (5 to 550°C)	60 to 1150 rpm	120	60	MT-84303-50	
			220	50	MT-84303-55	

MT-17002-27 NIST-traceable calibration with data for stirrers and hot plates

Cole-Parmer® Slim-Line® Stir Bars

Get complete mixing

- Slimmer profile and larger length-to-diameter ratio

Cole-Parmer®

Size		With spinning ring		Without spinning ring	
Length	Diameter†	Cat. no.	Price	Cat. no.	Price
1" (25.4 mm)	5/16" (7.9 mm)	MT-04775-45		MT-04775-40	
1 1/2" (38.1 mm)		MT-04775-55		MT-04775-50	
2" (50.8 mm)		MT-04775-65		MT-04775-60	

†Diameter given does not include the diameter of the spinning ring.

Cole-Parmer® StableTemp™ Stirrers and Stirring Hot Plates

Precision control ensures accurate, repeatable results

- Stay safe—hot surface warning until plate cools below 50°C
- Don't worry about spills—raised display diverts liquids away from critical components
- Optional temperature probe maintains your sample at the set temperature
- Keep samples in place—optional rod and clamps secure containers to the top plate
- Optional splash guard protects you and your sample from mishaps

Advanced Stirrer and Stirring Hot Plate

- Greater accuracy and repeatability for advanced applications
- Set ramp/dwell programs and save settings for quick repeat
- Always know your status—view actual and set values simultaneously
- Protect you and your sample with overtemperature protection

NEW

What's included: stir bar, power cord with plug (EU plug for 230 VAC models). Advanced stirring hot plate also includes a temperature probe kit.

Top plate		Heating		Stirring		Power		Catalog number	Price
Dimensions	Material	Temperature range	Max load	Speed range	Max cap.	VAC	Hz		
Stirrers									
4¼" x 4¼" (10.8 x 10.8 cm)	Ceramic	—	25 lb (11.4 kg)	50 to 1500 rpm	1 L	100 to 120	50/60	MT-03406-01	
						230	50/60	MT-03406-06	
7¼" x 7¼" (18.4 x 18.4 cm)	Ceramic	—	25 lb (11.4 kg)	50 to 1500 rpm	4 L	100 to 120	50/60	MT-03406-11	
						230	50/60	MT-03406-16	
10¼" x 10¼" (26 x 26 cm)	Ceramic	—	25 lb (11.4 kg)	50 to 1500 rpm	6 L	100 to 120	50/60	MT-03406-31	
						230	50/60	MT-03406-36	
Stirring hot plates									
4¼" x 4¼" (10.8 x 10.8 cm)	Ceramic	86 to 1004°F (30 to 540°C)	25 lb (11.4 kg)	50 to 1500 rpm	1 L	100 to 120	50/60	MT-03407-01	
						230	50/60	MT-03407-06	
7¼" x 7¼" (18.4 x 18.4 cm)	Ceramic	86 to 1004°F (30 to 540°C)	25 lb (11.4 kg)	50 to 1500 rpm	4 L	100 to 120	50/60	MT-03407-11	
						230	50/60	MT-03407-16	
10¼" x 10¼" (26 x 26 cm)	Ceramic	86 to 752°F (30 to 400°C)	25 lb (11.4 kg)	50 to 1500 rpm	6 L	100 to 120	50/60	MT-03407-31	
						230	50/60	MT-03407-36	
Advanced stirrer and stirring hot plate									
7¼" x 7¼" (18.4 x 18.4 cm)	Ceramic	—	25 lb (11.4 kg)	50 to 1500 rpm	4 L	100 to 120	50/60	MT-03406-41	
						230	50/60	MT-03406-46	
7¼" x 7¼" (18.4 x 18.4 cm)	Ceramic	86 to 842°F (30 to 450°C)	25 lb (11.4 kg)	50 to 1500 rpm	4 L	100 to 120	50/60	MT-03407-41	
						230	50/60	MT-03407-46	

†Based on water contained in a 20-L glass flat-bottom flask.

StableTemp Accessories

MT-04600-88 **Transparent splash shield** for 4¼" x 4¼" units

MT-04600-89 **Transparent splash shield** for 7¼" x 7¼" units

MT-04600-90 **Transparent splash shield** for 10¼" x 10¼" units

MT-04600-91 **External temperature probe,** 100 Ω Pt, stainless steel, 32 to 752°F (0 to 400°C)

MT-04600-92 **External temperature probe,** 1000 Ω Pt, stainless steel, 32 to 752°F (0 to 400°C)

MT-04600-93 **External temperature probe,** 1000 Ω Pt, Hastelloy®, 32 to 752°F (0 to 400°C)

MT-04600-98 **Support rod** for securing sample containers

MT-04600-99 **Clamp and holder** for securing sample containers

IKA® Multiposition Stirrers and Stirring Hot Plates

Maintain consistent and silent operation with wear-free and maintenance-free motor

- Stir consistently in all positions
- Adjust speed in 10-rpm increments—speed remains constant
- Stirring hot plates feature synchronous heating and stirring, and homogeneous temperature distribution

What's included: RO models include a removable transparent antislip cover, power cord and adapters to work with US, EU, Canada, Australia and UK outlets. RT models include a power cord and plug.

Stirring positions	Top plate	Power		Catalog number	Price
	Dimensions (W x D)	VAC	Hz		
RO multiposition stirrers; 0 to 1200 rpm					
5	4¾" x 18½" (12 x 47 cm)	100–240	50/60	MT-04671-91	
10	7½" x 18½" (19 x 47 cm)			MT-04671-92	
15	11" x 18½" (28 x 47 cm)			MT-04671-93	
RT multiposition stirring hot plates; 0 to 1100 rpm; ambient to 248°F (120°C)					
5	4⅝" x 19½" (11 x 49.5 cm)	115	50/60	MT-04671-94	
		230		MT-04671-95	
10	7⅛" x 19½" (18 x 49.5 cm)	115	50/60	MT-04671-96	
		230		MT-04671-97	
15	10⅝" x 19½" (27 x 49.5 cm)	115	50/60	MT-04671-98	
		230		MT-04671-99	

Specifications

Top plate material: stainless steel
Volume per position: 400 mL

Accessories

MT-17050-04 **NIST-traceable calibration** with data for stirrers

MT-17002-27 **NIST-traceable calibration** with data for stirrer and hot plate

Cole-Parmer® Write-On Colored Tape and Dispenser

Easily identify samples by color-coding

- Withstands water, oil, and acid
- Easy-write surface accomodates pencil, pen, or permanent marker
- Use in temperatures from –10 to 250°F (–23 to 121°C)
- Optional dispenser for easier tearing

Cole-Parmer®

Array of colors and sizes fit conveniently in optional dispenser 06530-11

Color	½" (1.3 cm) W x 14 yd (13 m) L			¾" (1.9 cm) W x 14 yd (13 m) L			1" (2.5 cm) W x 14 yd (13 m) L		
	Cat. no.	Rl/pk	Price	Cat. no.	Rl/pk	Price	Cat. no.	Rl/pk	Price
White	MT-06530-21	6		MT-06530-31	4		MT-06530-41	3	
Yellow	MT-06530-22	6		MT-06530-32	4		MT-06530-42	3	
Green	MT-06530-23	6		MT-06530-33	4		MT-06530-43	3	
Pink	MT-06530-24	6		MT-06530-34	4		MT-06530-44	3	
Red	MT-06530-25	6		MT-06530-35	4		MT-06530-45	3	
Orange	MT-06530-26	6		MT-06530-36	4		MT-06530-46	3	
Blue	MT-06530-27	6		MT-06530-37	4		MT-06530-47	3	
Assorted pack†	MT-06530-28	24		MT-06530-38	16		MT-06530-48	12	

†Assorted pack contains each color above.

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

MT-06530-11 Tape dispenser

Cole-Parmer® Color-Coded Adhesive Tape and Dispenser

No scuffing—adheres to most surfaces

- Easily identify labware, pipes, or wiring
- Optional dispenser provides easy tearing of tape

Cole-Parmer®

Color	¾" (1.9 cm) W x 36 yd (33 m) L		1" (2.5 cm) W x 36 yd (33 m) L	
	Catalog number	Price	Catalog number	Price
White	MT-86209-30		MT-86209-40	
Yellow	MT-86209-31		MT-86209-41	
Orange	MT-86209-32		MT-86209-42	
Red	MT-86209-33		MT-86209-43	
Green	MT-86209-34		MT-86209-44	
Blue	MT-86209-35		MT-86209-45	
Black	MT-86209-37		MT-86209-47	

MT-08278-26 Multiple roll dispenser, acrylic.
For tapes on a 3" (7.6 cm) dia core

Hi-Lo Temperature Fiberglass Tape

Don't worry about temperature

- Ideal for extreme temperature use—withstands temperatures from –385 to 550°F (–232 to 288°C)
- Easily write on textured surface

Width	Length/roll	Catalog number	Price
½" (1.3 cm) 1" (2.5 cm)	25 ft (7.6 m)	MT-08277-50 MT-08277-55	

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Find all the **product specs** you need!

Autoclave Tape

Know your labware is autoclaved

- Dark-colored diagonal mark revealed after autoclaving at 250°F (121°C) for 15 minutes
- Sticks to glass, cloth, or metal
- Leaves no residue

Width	Length/roll	Catalog number	Price
1" (2.5 cm)	41 ft (12 m)	MT-08277-62	

Kapton® Polyimide Tape

Stands up to heat and chemicals

- Silicone adhesive withstands temperatures from –100 to 500°F (–73 to 260°C)
- High tensile strength, good solvent resistance, and excellent dielectric strength for more flexibility
- Meets UL-510 for flame retardant specifications

Width	Thickness (mil)	Length/roll	Catalog number	Price
⅛" (0.3 cm) ¼" (0.6 cm) ½" (1.3 cm)	2.5	36 ft (10.9 m)	MT-08277-78 MT-08277-79 MT-08277-80	
¾" (1.9 cm) 1" (2.5 cm) 1½" (3.8 cm)	2.5	36 ft (10.9 m)	MT-08277-81 MT-08277-82 MT-08277-83	

Digi-Sense® General-Purpose Digital Pocket Thermometers

Don't risk accuracy—precalibrated

DIGI-SENSE

– 304 stainless steel penetration stem
– All include a protective case with pocket clip and battery

A. Pen-Style Pocket Thermometer offers fast response and laboratory accuracy. Features include probe guard, Min/Max/Hold, °F/°C switchable ranges and auto power-off to conserve battery life. Includes a NIST-traceable calibration report with data supplied by InnoCal.

B. Large Head Pocket Thermometer offers fast response and laboratory accuracy. The head of the thermometer is square allowing the unit not to roll when placed on a flat surface. Features include probe guard, °F/°C switchable ranges and auto power-off to conserve battery life. Includes a NIST-traceable calibration report with data supplied by InnoCal.

C. Waterproof Thermometer features a dishwasher-safe sealed case. Features °F/°C switchable ranges, a Min/Max button, and display updates every second. Use ON/OFF button to conserve battery life.

D. Key-Chain "Mini" Thermometer is pocket sized and perfect for carrying around anywhere. Clip onto a lab coat, jacket zipper, belt loop, backpack, or key ring. Features °F/°C switchable ranges and display updates every second. Use ON/OFF button to conserve battery life.

E. Long-Stem Thermometer has an 8" or 11½" long stem, °F/°C switchable ranges, and display updates every second. Use ON/OFF button to conserve battery life.

F. Rotating-Display Thermometer can be angled up to 180° for easy reading. Extra-long 8" stem is ideal for measuring reagents, water baths, air, liquids, and any semisolid. Features °F/°C selection. Use ON/OFF button to conserve battery life.

G. T-Handle Thermometer is designed for penetrating semisolids and features °F/°C switchable ranges. Display updates every second. Use ON/OFF button to conserve battery life or auto shutoff at one hour.

H. Pen-Style Thermometer has °F/°C switchable ranges and display updates every second. Data Hold button freezes readings. Use ON/OFF button to conserve battery life.

I. NIST-Traceable Pen-Style Thermometer has a unique, flat-profile design. Probe guard snaps into handle to extend the overall length to 10¾" making it ideal for hard-to-reach locations. Features °F/°C switchable ranges, Hold button, display that updates every second, and an ON/OFF button to conserve battery life.

CE

Key letter	Range	Resolution	Accuracy†	Probe diameter	Catalog number	Price
A	–40 to 482°F (–40 to 250°C)	0.1°F (0.1°C)	1.5% ± 2° full scale	4.6"L x 0.16" dia	MT-20250-33	
B	–40 to 482°F (–40 to 250°C)	0.1°F (0.1°C)	1.5% ± 2° full scale	5"L x x0.16" dia	MT-20250-32	
C	14 to 392°F (–10 to 200°C)	0.1° up to 199.9°; 1° above 200°	±1.8°F (±1.0°C)	5"L x 0.14" dia	MT-90003-00*	
				10"L x 0.14" dia	MT-90205-05	
D	–58 to 302°F (–50 to 150°C)	0.1°F (0.1°C)	±1.8°F (1.0°C)	1"L x 0.14" dia	MT-90205-10	
E	–58 to 302°F (–50 to 150°C)	0.1° from –19 to 199.9°; 1° outside this range	±1.8°F (±1°C)	8"L x 0.14" dia	MT-90225-15	
	–58 to 302°F (–50 to 150°C)	0.1° from –19 to 199.9°; 1° outside this range	±0.5°F (±0.2°C)	8"L x 0.14" dia	MT-90205-01	
	–58 to 572°F (–50 to 300°C)	0.1° from –19 to 199.9°; 1° outside this range	±1.8°F (±1°C)	11.5"L x 0.14" dia	MT-94460-40	
	–58 to 302°F (–50 to 150°C)	0.1° from –19 to 199.9°; 1° outside this range	±0.5°F (±0.2°C)	11.5"L x 0.14" dia	MT-90205-02	
F	–58 to 536°F (–50 to 280°C)	0.1° from –20 to 200°F; 1° outside this range	±1.8°F (1.0°C)	8"L x 0.14" dia	MT-90205-25	
G	–58 to 302°F (–50 to 150°C)	0.1° from –19 to 199.9°; 1° outside this range	±1.8°F (±1.0°C)	5.3"L x 0.14" dia	MT-90051-00	
H	–58 to 572°F (–50 to 300°C)	0.1° from –19 to 199.9°; 1° outside this range	±2°F (±1.5°C)	2.5"L x 0.16" dia	MT-90001-02	
I	–58 to 572°F (–50 to 300°C)	0.1° from –20 to 200°F; 1° outside this range	±3°F (1.5°C)	3.5"L x 0.14" dia	MT-90205-15	

*90003-00 does not come precalibrated †Basic accuracy shown, full accuracy available online

MT-17003-00 **NIST-traceable recalibration** with data for pocket thermometers

Digi-Sense® General-Purpose and Refrigerator/Freezer Thermometers

Get multiple readings simultaneously

- Simultaneously view high, low, and current temperature
- Keep samples safe—programmable alarm alerts when temperature deviates from set point
- Monitor conditions—Min/Max feature stores the highest and lowest readings until cleared
- Get more done—monitor multiple applications with dual-probe units
- Versatile units are mountable on wall or benchtop

A

D

DIGI-SENSE®

Standard Refrigerator/Freezer Thermometers provide accurate readings even when door is opened, as temperature sensor is enclosed within a glycol-filled bottle.

Advanced Thermometers feature high accuracy, one-button field calibration, and date/time stamp. Unit displays the exact time and date when thermometer alarms are triggered. RTD thermometers provide greater accuracy and a unique Min/Max feature that displays temperatures for previous 24 hours (each hour) or previous 31 days (for each day).

Data Logging Thermometers record up to 525,600 data points to be transferred to a computer using a USB flash drive. The alarm tracking feature stores up to 10 unique alarm events. "Memory lock" option does not allow the internal memory to be cleared, and logging capacity increases to 1 million data points.

What's included: one AA battery and NIST-traceable calibration report supplied by manufacturer.

E

CE

Application	Sensor type	Range	Resolution	Accuracy	Power	Catalog number	Price
A. Standard thermistor models							
Refrigerator/freezer	One bottle probe	–58 to 158°F (–50 to 70°C)	1°	±1°C	One AA battery (included)	MT-94460-72	
Refrigerator/freezer	One 5-mL bottle probe					MT-94460-71	
General purpose	One wire probe					MT-94460-70	
B. Advanced thermistor models with improved accuracy (not shown)							
Refrigerator/freezer	Two bottle probes	–58 to 158°F (–50 to 70°C)	0.01°	±0.30°C	One AA battery (included)	MT-94460-92	
General purpose	Two wire probes					MT-94460-91	
General purpose	One solid SS probe					MT-94460-98	
General purpose	Two solid SS probe					MT-94460-99	
C. Advanced thermistor models with improved accuracy and data logging (not shown)							
Refrigerator/freezer	One bottle probe	–58 to 158°F (–50 to 70°C)	0.01°	±0.25°C	One AA battery (included)	MT-94460-07	
Refrigerator/freezer	Two bottle probes					MT-94460-09	
General purpose	One wire probe					MT-94460-11	
General purpose	Two wire probes					MT-94460-14	
General purpose and refrigerator/freezer	One wire and one bottle probe					MT-94460-18	
General purpose	One solid SS probe					MT-94460-16	
General purpose	Two solid SS probes					MT-94460-17	
D. Advanced thermistor models with improved accuracy and "memory lock" data logging							
Refrigerator/freezer	One bottle probe	–58 to 158°F (–50 to 70°C)	0.01°	±0.25°C	One AA battery (included)	MT-94460-37	
Refrigerator/freezer	Two bottle probes					MT-94460-39	
General purpose	One wire probe					MT-94460-41	
General purpose	Two wire probes					MT-94460-43	
General purpose and refrigerator/freezer	One wire and one bottle probe					MT-94460-47	
General purpose	One solid SS probe					MT-94460-44	
General purpose	Two solid SS probes					MT-94460-46	
E. Advanced RTD high-accuracy models							
Refrigerator/freezer	One bottle probe	–58 to 158°F (–50 to 70°C)	0.01°	±0.1°C	One AA battery (included)	MT-37803-88	
General purpose	One wire probe					MT-37804-03	
General purpose	One wire probe	–148 to 158°F (–100 to 70°C)				MT-37804-05	
General purpose	One solid SS probe	–148 to 199.99°F (–100 to 199.99°C)				MT-37804-04	

Digi-Sense® Scientific Thermometers

Get more accuracy from your thermometer

– Display up to four significant figures after the decimal point
– Available in thermistor or RTD versions
– Download data to computer for further analysis

DIGI-SENSE

Meters feature a splashproof membrane keypad, Memory and Hold functions, an internal data logger that captures the Min/Max temperature every hour for a 24-hour period, and °F/°C selection. The fast-response probe (included) displays even the slightest temperature change instantly. Readings are updated three times a second.

What's included: probe, plastic carrying case, one 9 V battery, and NIST-traceable calibration report supplied by the manufacturer.

Description	Cat. no.	Price
Single-input thermistor thermometer with USB input, general-purpose penetration probe	MT-90080-09	
Single-input RTD thermometer with USB input, general-purpose penetration probe	MT-37804-06	
Single-input RTD thermometer with USB input, flexible wire bullet probe	MT-37804-07	
Probes		
Micro probe for model 90080-09	MT-90080-19	
Replacement general-purpose penetration probe for model 90080-09	MT-90080-18	
Replacement general-purpose penetration probe for model 37804-06	MT-37804-08	
Replacement flexible wire bullet probe for model 37804-07	MT-37804-09	

MT-90080-21 **Data analyst software**

Specifications

Thermistor range: –58 to 302°F (–50 to 150°C)
RTD range: –328 to 932°F (–200 to 500°C)
Accuracy: ±0.05°C between 0.0 to 100°C
Input/output: USB
Dimensions (W x H x D): 5½ " x 3½ " x 1¼" (140 x 89 x 32 mm)
Power: One 9 V battery (included)

NSF-Approved Digital Pocket Thermometers

Maintain product safety with accurate readings

– Antimicrobial protection inhibits bacterial and fungal growth
– 304 stainless steel penetration stem
– All include a protective case with pocket clip and a battery

A. Taylor® Flat-Edged Dial Safe-T-Guard Thermometer is waterproof for dependable use in kitchen or lab environments. Field calibratable. °F/°C switchable. Auto-off feature saves on battery life.

B. Taylor Easy-Read Reduced-Tip Pen-Style Safe-T-Guard Thermometer is waterproof and dishwasher safe. Field calibratable. Features °F/°C switchable ranges, Max and Hold functions, 1.5-mm FDA-recommended step-down tip, back-lit LCD, and auto-off. Includes lanyard.

C. Cooper-Atkins® Reduced-Tip Pen-Style Waterproof Thermometer is factory calibrated to three temperature points and guaranteed to never need field adjustment. Features include IP67 rating, stainless steel shaft, 6-second response time, °F/°C switchable ranges, hold function, min/max reading, and auto-off.

D. Cooper-Atkins Reduced-Tip Waterproof Thermometer with alarm. Same features as "C" plus the addition of a unique adjustable alarm function. Dishwasher-safe.

E. Comark® Reduced-Tip Waterproof Thermometer has a 2¾" (68.5 mm) long stem and a 0.6" (1.5 mm) diameter tip. This field-calibratable meter features °F/°C switchable ranges, hold function, display that updates every 1.5 seconds and low battery indicator.

Key letter	Range	Resolution	Accuracy†	Probe diameter	Catalog number	Price
A	–40 to 450°F (–40 to 230°C)	0.1°F (0.1°C)	±1°F (±0.6°C)	5"L x 0.15"	MT-90000-60	
B	–40 to 450°F (–40 to 230°C)	0.1°F (0.1°C)	±1°F (±1°C)	2.5"L x 0.16"	MT-90000-68	
C	–40 to 392°F (–40 to 150°C)	0.1°F (0.1°C)	±2°F (±1°C)	2.75"L x 0.156"	MT-90025-02	
D	–40 to 450°F (–40 to 232°C)	0.1°F (0.1°C)	±2°F (±1°C)	4.625"L x 0.140"	MT-90025-01	
E	–40 to 450°F (–40 to 230°C)	0.1°F (0.1°C)	±2°F (1°C)	2.7"L x 0.6"	MT-90000-62	

†Basic accuracy shown, full accuracy is available online

MT-17003-00 **NIST-traceable calibration** with data for pocket thermometers

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Digi-Sense® Wi-Fi Data Logging Refrigerator/Freezer Thermometers with Remote Notification

Stay connected to your critical environment—wherever you go!

- Easily monitor temperatures remotely by Wi-Fi connection
- Get mobile push notifications, emails, or texts for temperature alarms, connectivity interruptions, or low battery
- Obtain continuous data transmission and monitoring using an SSL encrypted secure connection

This thermometer allows you to connect your smartphone, tablet, or personal computer remotely with your water baths, refrigerators, freezers, and biological/pharmaceutical lab equipment.

Load a simple-to-use app on any of your remote devices to monitor current temperatures, control alarm parameters, view data logging history, run reports in real time, and give access to other team members. Use the cloud-based data interface without local software. Store up to 672 records in seven days if the device is set to 15-minute intervals.

Each thermometer comes with two probes. Model 99460-00 has two probes enclosed in nontoxic glycol-filled bottles, protecting them from rapid temperature changes when refrigerator door is opened. Model 99460-05 features a bottle probe along with one bullet probe with detachable sensor and 10-ft (3-m) cable. Model 9946-10 includes two bullet probes. Model 99460-15 comes with two stainless steel probes with detachable sensor and 10-ft (3-m) cable.

What's included: two probes, magnets and hook-and-loop fastener for mounting, flip stand, four AAA batteries, and multiple-point temperature calibration certificate traceable to NIST standards.

DIGI-SENSE®

CE

Specifications

Display: dual-line LCD
Sample rate: 12 sec
Wi-Fi transmission frequency: 15 minutes (default)
Maximum number of stored records: 672 (7 days if set to 15-minute intervals)
Maximum stored alarms: 100
Dimensions (W x H x D): 2½" x 6" x ¾" (6.3 x 15.2 x 1.9 cm)
Power: four AAA alkaline batteries (included)

Sensor type	Range	Resolution	Accuracy	Catalog number	Price
2 Bottle probes	–58 to 140°F (–50 to 60°C)	0.01°F/°C	±0.25°C	MT-99460-00	
1 Bottle and 1 bullet probe				MT-99460-05	
2 Bullet probes				MT-99460-10	
2 Stainless steel probes				MT-99460-15	

Digi-Sense® 12-Channel Scanning Thermocouple Thermometer

No need to juggle twelve different data logging thermometers

NEW

- Each channel is independently programmable with thermocouple type and alarm conditions
- Large full-color LCD displays each channel simultaneously
- Log up to 296,296 data points and download or stream to PC

This 12-channel scanning thermometer simultaneously monitors different temperature processes and provides real-time data on your PC with the supplied data acquisition software. The unit also functions as a data logger, storing readings in internal nonvolatile memory for later download.

Audible and visible alarms alert you when a channel logs a temperature exceeding the high or low set point. Accepts thermocouple temperature probes (order separately).

What's included: data acquisition software, 4 GB USB flash drive, and 5-ft (1.5-m) detachable power adapter.

DIGI-SENSE®

Type	Range	Power	Catalog number	Price
J	–310 to 1832°F (–190 to 1000°C)	120/240 VAC, 50/60 Hz	MT-92000-01	
K	–328 to 2502°F (–200 to 1372°C)			
T	–200 to 752°F (–200 to 400°C)			

Specifications

Resolution: 0.1°
Accuracy: ±0.1% full-scale
Output: USB
Scan rate: 2, 4, 6, 8, 10, 20, 30 seconds
Dimensions (W x H x D): 6" x 4" x 6½" (15.2 x 10.2 x 16.5 cm)

Accessories

MT-17103-00 **NIST-traceable calibration** with data for 12-channel scanning thermometers
MT-17103-12 **NIST-traceable calibration** with data for 12-channel scanning thermometer system

Extech® 12-Channel Data Logging Thermometer

Get virtually limitless data recording

- Stores 99 readings manually and 20 M readings with 2 GB SD card for easy transfer to a PC for analysis
- Don't let temperature fluctuations affect your measurements—features automatic temperature compensation
- Take data when you need it with user-programmable sampling rate
- Get more data by viewing up to eight channels simultaneously

What's included: Twelve type K bead wire temperature probes, 2 G SD card, hand carrying case, and eight AA batteries.

Model no.	TM500
Cat. no.	MT-39759-05
Range	Type J: –148 to 2102°F (–100 to 1150°C) Type K: –148 to 2372°F (–100 to 1300°C) Type T: –148 to 752°F (–100 to 400°C) Type E: –148 to 1652°F (–100 to 900°C) Type R: 32 to 3092°F (0 to 1700°C) Type S: 32 to 2732°F (0 to 1500°C)
Resolution	Types J, K, T, E: 0.1° below 1000°F (537°C) and 1° above 1000°F (537°C) Types R, S: 1°
Accuracy	Types J, K, T, E: ±0.4% of reading +2° max Types R, S: ±0.5% of reading +2° max
Data logging	Stores 99 readings manually and 20 M readings with 2 GB SD card
Output	SD card and RS-232 interface
Power	Eight AA batteries (included) or optional 9 VDC AC adapter
Price	

Accessories

MT-37803-09 **Power adapter,** 9 VDC for 110 VAC power supply
MT-09376-01 **Batteries,** AA. Pack of 4
MT-17000-10 **NIST-traceable calibration** with data for thermocouple meter
MT-17002-10 **NIST-traceable calibration** with data for thermocouple meter with probe

Extech® EasyView® Thermocouple Thermometers

Large, high-contrast LCD for easier viewing

- Wide temperature range with 0.1°/1° resolution
- Data Hold function freezes reading on display
- Records Min/Max/Avg readings for later recall
- EA10 features timer function that displays elapsed time plus the time when Min/Max readings are taken
- EA11A allows you to manually store/recall up to 150 readings

Model number	Description	Catalog number	Price
EA10	Dual-input type K thermocouple thermometer; –200 to 1999.9°F, –200 to 1360°C, 70 to 1630K	MT-95001-06	
EA11A	Single-input type K thermocouple thermometer; –58 to 1999.9°F, –50 to 1300°C	MT-95001-05	

Accessories

MT-95001-80 **Type K general-purpose temperature probe**
MT-17002-10 **NIST-traceable calibration** with data for thermocouple meter with probe

Extech® Waterproof Temperature Indicators

Won't fail under occasional splashing

NEW Model available

- Waterproof, dustproof housing is IP65-rated
- Won't permit out-of-range failures—visual and audible alarms alert you to under- and over-range conditions

Indicators feature selectable temperature scale (°F/°C), high/low set points, Min/Max reading, data hold, alarm icons, and low-battery indicator.

What's included: probe, magnetic back, foot stand, and one CR2032, 3 V battery.

Model	TM20	TM25	TM26
Cat. no.	MT-95001-55	MT-95001-56	MT-39758-99
Range	–40 to 158°F (–40 to 70°C)	–40 to 392°F (–40 to 200°C)	
Resolution	0.1°F or °C		
Accuracy	±0.9°F (0.5°C) from 32 to 75°F (0 to 24°C); ±1.8°F (1.0°C) from –4 to 31°F (–20 to –1°C) and 76 to 120°F (25 to 49°C); ±3.6°F (2.0°C) from –40 to –5°F (–40 to –21°C) and 121 to 392°F (50 to 200°C)		
Probe	¾" (20 mm) blunt tip with 9.6-ft (2.9-m) cable	4" (105 mm) penetration tip with 5-ft (1.5-m) cable	
Certifications	—	—	NSF
Power	One CR2032, 3 V battery (included)		
Price			

Questions?

Trust our **expert** Application Specialists to help you find the right product.

Bob, 7 years of experience

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E-mail: info@coleparmer.ca
Chat live: ColeParmer.ca

Digi-Sense™ Temperature and Temp/RH USB Data Loggers

Use just about anywhere—portable or mountable design

- Store, download, and analyze up to 32,000 data points with included software for analysis, graphing, printing
- Select your sample rate and level alarms with user-definable settings
- Choose your start-up mode: immediate, manual, or real-time

20250-41

20250-43

Temperature Data Logger (20250-41) records up to 32,000 temperature data points from its internal temperature sensor.

Temperature/RH Data Loggers (20250-42, -43) record 16,000 temperature and 16,000 RH data points from its internal sensors. The 20250-43 features a high-contrast LCD that shows measured temperature in °F or °C as set by the user.

Temperature Type K Data Logger (20250-44) records remote high temperatures as measured by a 38" (97 cm) thermocouple probe.

What's included: software, mounting clip and hardware, protective plastic cover, and battery. Model 20250-44 also includes a type K thermocouple.

DIGI-SENSE™

Description	Temperature	Temperature/RH	Temperature/RH with LCD	Temperature, type K
Catalog number	MT-20250-41	MT-20250-42	MT-20250-43	MT-20250-44
Range	–40 to 158°F (–40 to 70°C)	–40 to 158°F (–40 to 70°C), 0 to 100% RH (non condensing)		–328 to 2498°F (–200 to 1370°C)
Resolution	0.1°F (0.1°C)	0.1°F (0.1°C)		0.1°F (0.1°C)
Accuracy	±2°F (±1°C)	±2°F (±1°C); ±3% RH		±2°F (±1°C)
Memory	32,000 data points	32,000 data points (16,000 per channel)		32,000 data points
Reading rate	1 reading every 2 seconds to 1 reading every 24 hours; user selectable			
Power	3.6 V lithium battery, user replaceable; 1-year battery life typical			
Price				

MT-17002-20 **NIST-traceable calibration** with data for temperature data logger
MT-17030-20 **NIST-traceable calibration** with data for temperature/RH data logger

Digi-Sense™ Temperature/Humidity Touch-Screen Recorder

Virtually unlimited data logging with 8 GB of on-board memory

NEW

- Use right out of the box with resident self-booting software—no installation necessary!
- Quickly download data in .csv format via included USB cable
- Convenient wall-mount or desktop operation

This tablet-based instrument measures, displays, and logs temperature, relative humidity, and dew point conditions. Measured values are simultaneously displayed both graphically and digitally on a high-resolution, color display. Easily program sample frequency, sample size, alarm settings, start mode, and units of measure through the intuitive touch-screen menu. Monitor conditions related to pharmaceutical, food, and chemical processing and storage; also ideal for use in greenhouses, museums, and labs.

What's included: tablet with built-in stand, temperature/RH sensor, 6-ft (1.8-m) sensor extension cable, USB cable, wall-mounting bracket, power supply, and NIST-traceable calibration with data supplied by InnoCal.

Specifications

Memory: 8 GB
Sampling rate: 1 second to 24 hours
Display: 6" x 3½" (15.2 x 8.9 cm) color LCD, with 1024 x 600 resolution
Dimensions (W x H x D): 7⅝" x 4¼" x ⅝" (19.3 x 10.8 x 1.6 cm)
Power: 110 VAC; 2500 mAH rechargeable battery backup

Parameters	Range	Resolution	Accuracy	Catalog number	Price
Temperature	14 to 176°F (–10 to 80°C)	0.1°F (0.1°C)	±0.9°F (0.5°C)	MT-20250-40	
Humidity	0 to 100% RH, noncondensing	0.1%	±2.0% at 25°C, 20% to 80% RH; ±2.5% for remaining		

Removable sensor allows local or remote measurements using extension cable.

DIGI-SENSE™

Accessories

MT-20250-47 **Additional extension cable for sensor,** 6 ft (1.8 m)

Cole-Parmer® General-Purpose Timers

Track time, maintain accuracy, and save money

A. Four-Channel Large-Display Clock/Timer

- Easy monitoring of four experiments simultaneously
- Channels feature distinct alarms that sound for one minute
- Set up to 100 hours in count up or countdown modes
- Time of day in 12- or 24-hour format

What's included: magnetic clip, stand, and button cell battery.

B. 100-Hour, Triple-Display Clock/Timer

- Know which channel is done with unique tones
- Use as digital clock, timer, or stopwatch
- Easily recall previous time set via memory
- Alarm condition indicated by flashing LCD

What's included: one AAA battery and NIST-traceable calibration report supplied by the manufacturer.

C. Jumbo Digit Dual-Channel Clock/Timer

- See time easily—tilts for better viewing
- Use both channels for simultaneous countdown, or time of day with count up timer
- Choose 12- or 14-hour display format
- Alarm sounds at end of cycle and shows elapsed time

What's included: wall-mounting bracket and one AAA battery.

D. Flashing LED Big-Digit Timer

- Never wonder about remaining time again
- Easily view 1"H display across the room
- LED flashes green for last 10 seconds of timer, flashes red when alarm sounds
- Don't annoy others—adjust alarm volume to high, low, or off
- Store three countdown times for easy recall

What's included: magnetic back, flip-open easel stand, spring fastener for clipping, an opening for a lanyard, two AAA batteries, and NIST-traceable calibration report supplied by the manufacturer.

E. Triple-Display Clock/Timer

- Get timing faster—recall all channels' settings instantly
- Use as a countdown timer, count up stopwatch, or clock
- Count up to 24 hours, count down to 20 hours
- Displays time elapsed since alarm

What's included: magnetic clip and one AAA battery.

F. Dual-Channel Flashing LED Big-Digit Timer

- Flashing red LED when time is up
- View two timers, each with a distinctive alarm
- Alerts to end time with flashing green LED for the last ten seconds
- Adjust the alarm to the right volume—high, low, and off
- Store three countdown times in memory for easy recall

What's included: two AAA batteries and NIST-traceable calibration report supplied by the manufacturer.

Cole-Parmer®

Key	A	B	C	D	E	F
Number of channels	Four	Three	Two	One	Three	Two
Timing capacity	100 hours	100 hours	24 hours	100 min	24 hr up/20 hr down	100 hours
Resolution	1 sec	1 sec	1 sec	1 sec	1 sec	1 sec
Accuracy	±0.01%	±0.001%	±0.01%	±0.01%	±0.01%	±0.01%
Count direction	Up/down	Up/down	Up/down	Down	Up/down	Up/down
Display	LCD, ¾"H	LCD, ⅜"H	Dual LCD, 1"H	LCD, 1"H	Triple LCD, 7⁄16"H	LCD, ⅝"H
Clock	Yes	Yes	Yes	No	Yes	No
Alarm	1 min beep	1 min beep and visual	1 min beep	1 min beep and visual	1 min beep	1 min beep and visual
Battery included	One 1.5 V button cell	One AAA battery	One AAA battery	Two AAA battery	One AAA battery	Two AAA battery
Catalog number (timer)	MT-08649-10	MT-94411-10	MT-94440-10	MT-94461-15	MT-94440-00	MT-94461-16
Price/ea*						
Catalog number (battery)	MT-09377-16	MT-09376-00	MT-09376-00	MT-09376-00	MT-09376-00	MT-09376-00
Price/pk	**/pk of 6**	**/pk of 12**	**/pk of 12**	**/pk of 12**	**/pk of 12**	**/pk of 12**

***Discounts:** Save 10% on 10–24 timers and 20% on 25+ timers.

General-Purpose Tweezers and Forceps,
Stainless Steel (SS) and Plastic

Get a more precise grip

Buy More...Save More!
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

SS Tweezers,
straight tips and finger serrations.

Length	Catalog number	Qty/ pk	Price/pk
7"	MT-07288-04	12	

SS Straight: Thick, Flat Strong Tips,
serrated tips and grips. Style OOD.

Length	Catalog number	Qty/ pk	Price/pk
4¾"	MT-07287-03	1	

SS Self-Locking Tweezers,
straight narrow tips.

Length	Catalog number	Qty/ pk	Price/pk
4¼"	MT-07288-01	12	

SS Tweezers,
smooth spade tips.

Length	Catalog number	Qty/ pk	Price/pk
4¼"	MT-07288-07	12	

SS Solder Utility Tweezers,
curved tips and finger serrations.

Length	Catalog number	Qty/ pk	Price/pk
7"	MT-07288-03	12	

SS Tweezers,
curved serrated tips.

Length	Catalog number	Qty/ pk	Price/pk
4¼"	MT-07288-05	12	

SS Forceps,
straight serrated tips.

Length	Catalog number	Qty/ pk	Price/pk
6"	MT-07288-12	1	
12"	MT-07288-14	1	

SS Forceps,
plastic-coated rounded tips.

Length	Catalog number	Qty/ pk	Price/pk
12"	MT-07288-10	1	

PTFE-Covered Nickel-Plated Forged Steel Forceps are heat and chemical resistant. **Autoclavable.**

Length	Catalog number	Qty/ pk	Price/pk*
4¼"	MT-06440-00	2	

*Quantity discount does not apply.

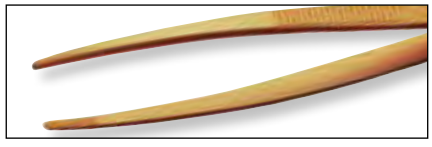
Reinforced Nylon Forceps have corrugated handles, serrated blades, and rounded tips. **Autoclavable.** Sterile—individually wrapped.

Sterile	Length	Catalog number	Qty/ pk	Price/pk
No	4⅞"	MT-06443-15	100	
Yes	4⅞"	MT-06443-26	100	

Nylon Forceps feature corrugated handles and serrated blades. **Autoclavable.** Sterile—individually wrapped.

Sterile	Length	Catalog number	Qty/ pk	Price/pk
No	4¼"	MT-06443-25	100	
Yes	4¼"	MT-06443-27	70	

PA (Polyamide) Tweezers,
rounded tips.



Length	Catalog number	Qty/ pk	Price/pk
7"	MT-06446-20	1	

Polystyrene Disposable Sterile Forceps feature corrugated handles and rounded serrated tips. Sterile—come individually wrapped.

Length	Catalog number	Qty/ pk	Price/pk*
4⅞"	MT-06443-20	100	

*Quantity discount does not apply.

Plastic Curved: Smooth Rounded Tips 2AB

Length	Catalog number	Qty/ pk	Price/pk
4½"	MT-07290-06	12	

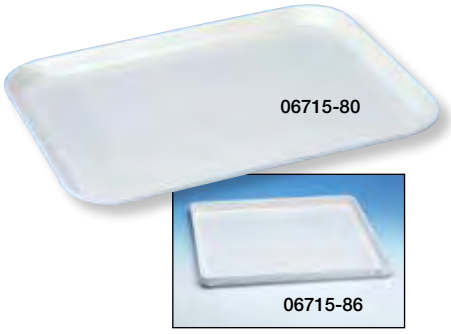
Plastic Curved: Very Fine and Smooth Tips 7-STD

Length	Catalog number	Qty/ pk	Price/pk
4½"	MT-07290-08	12	

Chemical-Resistant Trays and Pans

Resist mild acids, alkalies, and reagents

- Withstand temperatures from –40 to 250°F (–40 to 121°C)
- Contain spills with straight-edge pans



Outside dimensions (L x W x H)	Cat. no.	Qty/pk	Price/pk
Chemical-resistant trays			
13¼" x 10⅝" x 1" (33.7 x 26.9 x 2.5 cm)	MT-06715-80	1	
18" x 14" x 1" (45.7 x 35.6 x 2.5 cm)	MT-06715-82	1	
20⅜" x 15⅛" x 1" (52 x 38.3 x 2.5 cm)	MT-06715-84	1	
Chemical-resistant pans			
25¼" x 19¼" x 1⅛" (64.1 x 48.9 x 2.7 cm)	MT-06715-86	1	
19½" x 19½" x 1¼" (49.5 x 49.5 x 3.2 cm)	MT-06715-88	1	
31" x 25" x 2¾" (78.7 x 63.5 x 7 cm)	MT-06715-90	1	

Cole-Parmer® Utility Trays, PP

Won't split at seams

- Heavy-duty welded polypropylene construction
- Thick 3/16" (0.5 cm) thickness for durability
- Autoclavable

Cole-Parmer®

Capacity L (qt)	Inside dimensions (L x W x H)	Catalog number	Price/ea
7 (7)	15" x 10" x 3" (38.1 x 25.4 x 7.6 cm)	MT-06710-70	
14 (14)	20" x 15" x 3" (50.8 x 38.1 x 7.6 cm)	MT-06710-74	
21 (21)	18" x 18" x 4" (45.7 x 45.7 x 10.2 cm)	MT-06710-75	
25 (25)	16" x 12" x 8" (40.6 x 30.5 x 20.3 cm)	MT-06710-72	
37 (37)	26" x 22" x 4" (66.0 x 55.9 x 10.2 cm)	MT-06710-78	
39 (39)	20" x 20" x 6" (50.8 x 50.8 x 15.2 cm)	MT-06710-76	

Thermo Scientific™ Nalgene™ Trays, PP

Get a grip with molded-in handles

- Easy nesting, tapered design
- Autoclavable

Buy More...Save More!
20% off on 120+ **15%** off on 30 to 119 **10%** off on 6 to 29 packs or cases

Capacity L (qt)	Outside dimensions (L x W x H)	Catalog number	Qty/pk	Price/pk
10 (10)	14¼" x 12¼" x 5⅝" (36.2 x 31.1 x 14.3 cm)	MT-06018-10	1	
15 (15)	21⅜" x 17⅛" x 5⅛" (54.3 x 43.5 x 13 cm)	MT-06018-20		

CoorsTek® Rectangular Trays, High-Alumina

Eliminate contamination

- Highly resistant to chemicals
- Use for high-temperature and high-purity applications
- Autoclavable

Buy More...Save More!
15% off on 10+ packs or cases **10%** off on 5 to 9 packs or cases

Capacity (mL)	Dimensions (L x W x H)	Catalog number	Qty/cs	Price/cs
5	1½" x 1¼" x ¼" (3.8 x 3.2 x 0.6 cm)	MT-17826-00	1	
13	2⅜" x 1½" x ¼" (6 x 3.8 x 0.6 cm)	MT-17826-02		
32	3" x 2" x ½" (7.5 x 5 x 1.2 cm)	MT-17826-04		
64	4" x 1¾" x ¾" (10.2 x 4.5 x 1.9 cm)	MT-17826-06	1	
130	6" x 2½" x ¾" (15.2 x 6.5 x 1.9 cm)	MT-17826-08		
340	7⅞" x 3½" x 1" (20 x 9 x 2.5 cm)	MT-17826-10		
750	7⅝" x 5½" x 1¾" (19.4 x 14 x 4.4 cm)	MT-17826-12		

Utility Trays, HDPE

Can take the heat

- Withstand continuous temperatures from 0 to 160°F (–17 to 71°C)
- Durable, 3/16" thick walls
- NSF certified; meet FDA and USDA requirements

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20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

NSF®

Capacity L (qt)	Outside dimensions (L x W x H)	Catalog number	Qty/pk	Price/pk
7 (7)	17¾" x 14" x 4" (45.1 x 35.6 x 10.2 cm)	MT-06710-10†	1	
15 (15)	17½" x 15½" x 4" (44.5 x 39.4 x 10.2 cm)	MT-06710-20		
19 (19)	17½" x 15½" x 5" (44.5 x 39.4 x 12.7 cm)	MT-06710-30		
20 (20)	23" x 19" x 4" (58.4 x 48.3 x 10.2 cm)	MT-06710-40	1	
32 (32)	29¼" x 23¼" x 4" (74.3 x 59.1 x 10.2 cm)	MT-06710-50‡		

†Model 06710-10 has rolled lip all around, single-molded construction.
‡Model 06710-50 is made of LLDPE.

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Cole-Parmer® Silicone Tubing

No need to worry about the heat—use for applications up to 460°F

Peroxide Silicone

Applications: Pharmaceutical, biotechnology, food and beverage, aerospace, and general lab applications.

Characteristics: Peroxide-cured, excellent heat resistance, low compression set, odorless, nontoxic, translucent.

Certifications: Elastomer is FDA-compliant (21 CFR 177.2600) and meets USP Class VI requirements. Tubing is manufactured according to GMP.

Temperature range: –60 to 460°F (–51 to 238°C)

Sterilize: Autoclave or gamma irradiation.

Platinum Silicone

Applications: Pharmaceutical, biotechnology, aerospace, food and beverage, and general lab applications.

Characteristics: Platinum-cured, excellent heat resistance, low compression set, odorless, nontoxic, translucent.

Certifications: Elastomer is FDA-compliant (21 CFR 177.2600) and meets USP Class VI. Tubing is manufactured according to GMP.

Temperature range: –58 to 446°F (–50 to 230°C)

Sterilize: Autoclave or gamma irradiation.

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20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Cole-Parmer®

Dimensions: in. (mm)			Max psi at 70°F (21°C)	Peroxide silicone		Platinum silicone	
ID	OD	Wall		Catalog number	Price/ 25-ft pk	Catalog number	Price/ 25-ft pk
1/50 (0.5)	1/12 (2.1)	1/32 (0.8)	30	MT-06411-59		MT-95802-00	
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	30	MT-06411-60		MT-95802-01	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	15	MT-06411-62		MT-95802-02	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	15	MT-06411-63		MT-95802-03	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	10	MT-06411-64		MT-95802-04	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	20	MT-06411-67		MT-95802-05	
1/8 (3.2)	3/8 (9.6)	1/8 (3.2)	25	MT-06411-68		MT-95802-06	
5/32 (4.0)	5/32 (4.0)	1/32 (0.8)	10	MT-06411-65		MT-95802-07	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	9	MT-06411-66		MT-95802-08	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	13	MT-06411-03		MT-95802-09	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	22	MT-06411-69		MT-95802-10	
1/4 (6.4)	5/16 (8.0)	1/32 (0.8)	9	MT-06411-70		MT-95802-11	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	10	MT-06411-71		MT-95802-12	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	17	MT-06411-72		MT-95802-13	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	17	MT-06411-74		MT-95802-14	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	10	MT-06411-75		MT-95802-15	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	16	MT-06411-76		MT-95802-16	
5/16 (8.0)	9/16 (14.4)	1/8 (3.2)	20	MT-06411-77		MT-95802-17	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	10	MT-06411-12		MT-95802-18	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	12	MT-06411-78		MT-95802-19	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	15	MT-06411-79		MT-95802-20	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	9	MT-06411-80		MT-95802-21	
1/2 (12.8)	11/16 (17.6)	3/32 (2.4)	10	MT-06411-19		MT-95802-22	
1/2 (12.8)	3/4 (19.2)	1/8 (3.2)	12	MT-06411-55		MT-95802-23	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	10	MT-06411-82		MT-95802-24	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	12	MT-06411-58		MT-95802-25	
3/4 (19.2)	1 (25.4)	1/8 (3.2)	9	MT-06411-83		MT-95802-26	

Custom Cut Tubing
For details, call **1-800-363-5900**

Tygon® Non-DEHP Lab Tubing

Pliable formulation for sharp radius bending

Formulation: Tygon E-3603

Applications: General lab, food & beverage, biopharm, analytical instruments.

Characteristics: Non-DEHP, phthalate free. Long-life, chemical resistant, nonoxidizing; able to bend to sharp radius curves and easily works with fittings. Transparent.

Certifications: FDA-compliant (21 CFR 175.300); meets USP Class VI and NSF 51 requirements.

Temperature range: –51 to 165°F (–46 to 74°C)

Sterilize: Autoclave or ethylene oxide.

Buy More...Save More!
20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Max psi at 70°F (bar at 21°C)	Catalog number	Price/ 50- ft pk
ID	OD	Wall			
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	69 (4.8)	MT-06407-70	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	36 (2.5)	MT-06407-71	
1/16 (1.6)	3/16 (4.8)	1/16 (1.6)	69 (4.8)	MT-06407-72	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	25 (1.7)	MT-06407-73	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	20 (1.4)	MT-06407-75	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	36 (2.5)	MT-06407-76	
5/32 (4.0)	7/32 (5.6)	1/32 (0.8)	17 (1.2)	MT-06407-77	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	25 (1.7)	MT-06407-78	
3/16 (4.8)	3/8 (9.6)	3/32 (2.4)	36 (2.5)	MT-06407-79	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	20 (1.4)	MT-06407-80	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	28 (1.9)	MT-06407-81	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	35 (2.5)	MT-06407-82	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	17 (1.2)	MT-06407-83	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	23 (1.6)	MT-06407-84	
5/16 (8.0)	9/16 (14.4)	1/8 (3.2)	30 (2.1)	MT-06407-85	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	14 (1.0)	MT-06407-86	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	20 (1.4)	MT-06407-87	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	25 (1.7)	MT-06407-88	
7/16 (11.2)	9/16 (14.4)	1/16 (1.6)	13 (0.9)	MT-06407-89	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	12 (1.8)	MT-06407-90	
1/2 (12.8)	11/16 (1.6)	3/32 (2.4)	15 (1.0)	MT-06407-91	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	20 (1.4)	MT-06407-92	
1/2 (12.8)	13/16 (20.8)	5/32 (4.0)	24 (1.7)	MT-06407-93	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	13 (0.9)	MT-06407-94	
5/8 (16.0)	7/16 (11.2)	1/8 (3.2)	17 (1.2)	MT-06407-95	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	14 (1.0)	MT-06407-96	
3/4 (19.1)	1 1/8 (28.6)	3/16 (4.8)	20 (1.4)	MT-06407-97	
1 (25.4)	1 1/4 (31.8)	1/8 (3.2)	12 (0.8)	MT-06407-98	
1 (25.4)	1 1/2 (66.8)	1/4 (6.4)	20 (1.4)	MT-06407-99	

Microbore/Autoanalysis Tubing

Dimensions: in. (mm)			Fits needle gauge	Catalog number	Price/ 100-ft pk
ID	OD	Wall			
0.008 (0.19)	0.080 (2.03)	0.036 (0.91)	33	MT-06460-10	
0.010 (0.25)	0.082 (2.08)	0.036 (0.91)	30	MT-06460-12	
0.017 (0.44)	0.093 (2.36)	0.036 (0.91)	26	MT-06460-16	
0.020 (0.51)	0.096 (2.44)	0.036 (0.91)	24	MT-06460-18	
0.025 (0.64)	0.101 (2.57)	0.036 (0.91)	23	MT-06460-22	
0.035 (0.89)	0.111 (2.82)	0.036 (0.91)	20	MT-06460-26	
0.040 (1.02)	0.116 (2.95)	0.036 (0.91)	19	MT-06460-28	
0.045 (1.14)	0.121 (3.07)	0.036 (0.91)	18	MT-06460-30	
0.056 (1.42)	0.132 (3.35)	0.036 (0.91)	17	MT-06460-34	
0.081 (2.06)	0.157 (3.99)	0.036 (0.91)	14	MT-06460-42	
0.110 (2.79)	0.186 (4.72)	0.036 (0.91)	12	MT-06460-48	

Ratchet Tubing Clamps

06833-00

Durable Celcon® plastic tubing clamps are autoclavable; won't rust, corrode, or distort. Twelve-position ratchet control adjusts from full flow to complete closure. Mini-clamp is suitable for up to 1/8" (2.1 mm) OD tubing. Standard clamp accepts flexible tubing to 1/2" (12.7 mm) OD.

MT-06833-01 **Mini tubing clamp.** Pack of 25
MT-06833-00 **Tubing clamp.** Pack of 25

Cole-Parmer® Platinum-Cured Reinforced Silicone Tubing

Won't crack under pressure—withstands pressures to 312 psi

Formulation: Tygon® 3370 I. B., silicone, platinum cured.

Applications: Demanding sanitary high-pressure pharmaceutical, biotechnology, food and beverage, and cosmetic applications.

Characteristics: Excellent heat resistance, low compression set, odorless, and nontoxic, translucent.

Certifications: Elastomer is FDA-compliant (21 CFR 177.2600) and USP Class V extractables; exceeds Class VI implant; exceeds 3A Sanitary Standards; produced to Bulk Pharmaceutical cGMPs (FDA 21 CFR 210, 211). Tubing is manufactured according to GMP.

Temperature range: –60 to 320°F (–51 to 160°C)

Sterilize: Autoclave, ethylene oxide, or gamma irradiation.

Cole-Parmer®

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20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Max psi at 70°F (bar at 21°C)	Qty/pk	Catalog number	Price/pk
ID	OD	Wall				
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	312 (21.5)	50 ft	MT-95703-00	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	248 (17.1)	50 ft	MT-95703-01	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	180 (12.4)	50 ft	MT-95703-02	
1/2 (12.8)	13/16 (20.8)	5/32 (4.0)	168 (11.6)	50 ft	MT-95703-03	
5/8 (16.0)	15/16 (24.0)	5/32 (4.0)	144 (9.9)	50 ft	MT-95703-04	
3/4 (19.1)	1 1/8 (28.6)	3/16 (4.8)	144 (9.9)	50 ft	MT-95703-05	
1 1/4 (31.8)	1 5/8 (41.4)	3/16 (4.8)	96 (6.6)	25 ft	MT-95703-07	

Cole-Parmer® Flexible PVC Tubing

Stop oxidation and bacteria problems

Applications: Food and beverage processing, pharmaceutical, biotech, and general lab applications.

Characteristics: Extremely flexible. Resistant to oxidation, chemicals and bacteria. Transparent.

Certifications: FDA-compliant (21 CFR 175.300) and meets USP Class VI and USDA requirements; meets 3A sanitary standards.

Temperature range: –41 to 165°F (–41 to 74°C)

Sterilize: Ethylene oxide or gamma irradiation.

Cole-Parmer®

Buy More...Save More!
20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Max psi at 68°F (bar at 20°C)	Catalog number	Price/ 50-ft pk
ID	OD	Wall			
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	68 (4.7)	MT-96605-01	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	55 (3.8)	MT-96605-02	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	55 (3.8)	MT-96605-03	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	70 (4.8)	MT-96605-05	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	50 (3.4)	MT-96605-06	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	40 (2.8)	MT-96605-08	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	65 (4.5)	MT-96605-10	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	30 (2.1)	MT-96605-11	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	45 (3.1)	MT-96605-13	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	40 (2.8)	MT-96605-15	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	35 (2.4)	MT-96605-16	
1 (25.4)	1 1/4 (31.8)	1/8 (3.2)	28 (1.9)	MT-96605-19	
1 1/4 (31.8)	1 3/4 (44.5)	1/4 (6.4)	45 (3.1)	MT-96605-25	

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Silastic® Laboratory Tubing

Resists bacteria and fungus growth

Applications: Pharmaceutical, biotech, filtration, and environmental analysis.

Characteristics: Platinum-cured silicone, nonpyrogenic, bacteria and fungus-resistant, extremely low extractables, and does not impart a taste or odor.

Certifications: Exceeds USP Class VI Plastics Test requirements, elastomer and tubing are manufactured under Bulk Pharmaceutical cGMPs in an FDA-registered, ISO-9002-certified facility.

Temperature range: –65 to 480°F (–54 to 249°C)

Sterilize: Autoclave or radiation.

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20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Catalog number	Price/ 50-ft pk
ID	OD	Wall		
0.012 (0.3)	0.025 (0.6)	0.0065 (0.2)	MT-96115-00	
0.02 (0.5)	0.037 (0.9)	0.0085 (0.22)	MT-96115-02	
0.025 (0.6)	0.047 (1.2)	0.011 (0.3)	MT-96115-04	
0.03 (0.8)	0.065 (1.7)	0.0175 (0.4)	MT-96115-06	
0.04 (1)	0.085 (2.2)	0.0225 (0.6)	MT-96115-08	
0.058 (1.5)	0.077 (2.0)	0.0095 (0.2)	MT-96115-10	
0.062 (1.6)	0.095 (2.4)	0.0165 (0.4)	MT-96115-12	
0.062 (1.6)	0.125 (3.2)	0.0315 (0.8)	MT-96115-14	
0.078 (2)	0.125 (3.2)	0.0235 (0.6)	MT-96115-16	
0.104 (2.6)	0.192 (4.9)	0.044 (1.1)	MT-96115-18	
0.132 (3.4)	0.183 (4.6)	0.0255 (0.6)	MT-96115-20	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	MT-96115-22	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	MT-96115-24	
3/16 (4.8)	3/8 (9.5)	3/32 (2.4)	MT-96115-26	
1/4 (6.4)	3/8 (9.5)	1/16 (1.6)	MT-96115-28	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	MT-96115-30	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	MT-96115-32	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	MT-96115-34	
3/8 (9.5)	5/8 (15.9)	1/8 (3.2)	MT-96115-40	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	MT-96115-44	

Cole-Parmer® Vinyl Tubing

Ideal for general-purpose applications

Applications: General-purpose lab use.

Characteristics: Fair chemical and abrasion resistance, odorless, nontoxic and transparent.

Cole-Parmer®

Certifications: Tubing is manufactured according to GMP.

Temperature range: –45 to 180°F (–43 to 82°C)

Sterilize: Ethylene oxide.

Buy More...Save More!
20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Max psi at 70°F (bar at 21°C)	Catalog number	Ft/pk	Price/pk
ID	OD	Wall				
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	40 (2.8)	MT-06405-01	50	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	59 (4.0)	MT-06405-02	50	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	51 (3.5)	MT-06405-03	50	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	46 (3.2)	MT-06405-04	100	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	51 (3.5)	MT-06405-06	50	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	55 (3.8)	MT-06405-07	100	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	64 (4.4)	MT-06405-08	50	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	46 (3.2)	MT-06405-09	50	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	55 (3.8)	MT-06405-10	100	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	41 (2.8)	MT-06405-12	50	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	46 (3.2)	MT-06405-15	100	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	55 (3.8)	MT-06405-16	100	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	28 (1.9)	MT-06405-18	50	
1/2 (12.8)	11/16 (17.6)	3/32 (2.4)	36 (2.5)	MT-06405-19	100	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	41 (2.8)	MT-06405-20	50	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	32 (2.2)	MT-06405-25	100	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	36 (2.5)	MT-06405-27	50	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	32 (2.2)	MT-06405-31	50	
1 (25.4)	1 1/4 (31.8)	1/8 (3.2)	23 (1.6)	MT-06405-36	50	
1 1/4 (31.8)	1 3/4 (44.5)	1/4 (6.4)	41 (2.8)	MT-06405-46	50	

Tygon® BioPharm Silicone Tubing

Reduce particle entrapment with ultra-smooth inner surface

Formulation: Tygon® 3350 silicone, platinum cured.

Applications: Pharmaceutical, cosmetic, industrial, and auto-analysis applications.

Characteristics: Ultra-smooth inner surface reduces particle entrapment and minimizes bacterial growth. Good for mild to medium concentration bases, salts, and alcohols; is odorless, tasteless, and nontoxic. Transparent.

Certifications: Elastomer is FDA-compliant (21 CFR 177.2600) and meets USP Class VI requirements, NSF criteria and EP 3.2.9 requirements. Tubing is manufactured according to GMP.

Temperature range: –112 to 392°F (–80 to 200°C)

Sterilize: Ethylene oxide, gamma irradiation, or autoclave for 30 min, 15 psi (1.0 bar).

Buy More...Save More!
20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions: in. (mm)			Max psi at 73°F (bar at 23°C)	Catalog number	Price/ 50-ft pk
ID	OD	Wall			
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	16 (1.1)	MT-95702-00	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	10 (0.7)	MT-95702-01	
1/16 (1.6)	3/16 (4.8)	1/16 (1.6)	15 (1.0)	MT-95702-02	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	7 (0.5)	MT-95702-03	
3/32 (2.4)	7/32 (5.6)	1/16 (1.6)	12 (0.8)	MT-95702-04	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	7 (0.5)	MT-95702-05	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	9 (0.6)	MT-95702-06	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	5 (0.3)	MT-95702-08	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	7 (0.5)	MT-95702-09	
3/16 (4.8)	3/8 (9.6)	3/32 (2.4)	9 (0.6)	MT-95702-10	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	5 (0.3)	MT-95702-13	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	7 (0.5)	MT-95702-14	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	5 (0.3)	MT-95702-16	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	6 (0.4)	MT-95702-17	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	4 (0.3)	MT-95702-18	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	5 (0.3)	MT-95702-19	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	7 (0.5)	MT-95702-20	

Free Certificate of Compliance

Cole-Parmer will provide a certificate of resin or elastomer compliance FREE at your request with each order of fittings or tubing. Certificates list your company's PO number, order reference number, catalog number, formulation, compound number, lot number (where applicable), and the regulations and agencies the tubing or fitting complies with, including FDA, USP, USDA, National Formulary, NSF International, GMP, and 3A. Look for the blue "check" icon throughout this catalog to identify when a certificate of compliance is available.

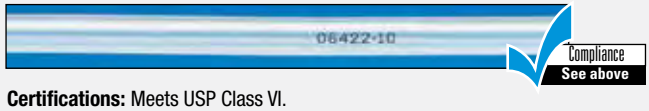
DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at **ColeParmer.ca/ChemChart**

C-Flex® Tubing

Meets the demands of various industries

– Available in three formulations—standard, clear, and animal-derived component-free (ADCF)



Applications: General-purpose lab uses requiring high performance and long life.

Characteristics: Exceptional tensile and tear strength, good biocompatibility, excellent chemical resistance, low gas permeability, and a smooth surface. Standard C-Flex is opaque white; C-Flex Clear and C-Flex ADCF are clear.

Certifications: Meets USP Class VI. Tubing is manufactured according to GMP.

Temperature range: –50 to 275°F (–45 to 135°C)

Sterilize: Autoclave, ethylene oxide, or gamma irradiation.

Buy More...Save More!
20% off on 20+
15% off on 10 to 19
10% off on 4 to 9 packs

Dimensions in. (mm)			C-Flex			C-Flex Clear			C-Flex ADCF		
ID	OD	Wall	Catalog number	Max psi at 70°F (21°C)	Price/ 25-ft pk	Catalog number	Max psi at 70°F (21°C)	Price/ 25-ft pk	Catalog number	Max psi at 70°F (21°C)	Price/ 50-ft pk
1/50 (0.5)	1/12 (2.1)	1/32 (0.8)	MT-06424-59	30		MT-06422-00	50		—	—	—
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	MT-06424-60	31		MT-06422-01	51		—	—	—
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	MT-06424-62	15		MT-06422-02	25		—	—	—
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	MT-06424-63	14		MT-06422-03	23		—	—	—
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	MT-06424-64	10		MT-06422-04	17		—	—	—
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	MT-06424-67	21		MT-06422-05	35		MT-06432-50	35	
5/32 (4.0)	7/32 (5.6)	1/32 (0.8)	MT-06424-65	10		MT-06422-06	17		—	—	—
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	MT-06424-66	9		MT-06422-07	15		—	—	—
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	MT-06424-03	13		MT-06422-08	22		MT-06432-51	22	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	MT-06424-69	22		MT-06422-09	36		—	—	—
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	MT-06424-71	12		MT-06422-10	20		MT-06432-53	20	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	MT-06424-72	17		MT-06422-11	28		MT-06432-54	28	
1/4 (6.4)	1/2 (12.7)	1/8 (3.2)	MT-06424-74	17		MT-06422-12	28		MT-06432-55	28	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	MT-06424-75	10		MT-06422-13	17		—	—	—
5/16 (8.0)	1/2 (12.7)	3/32 (2.4)	MT-06424-76	16		MT-06422-14	27		MT-06432-56	27	
3/8 (9.6)	1/2 (12.7)	1/16 (1.6)	MT-06424-12	10		MT-06422-15	17		MT-06432-57	17	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	MT-06424-79	14		MT-06422-16	23		MT-06432-59	23	
1/2 (12.7)	11/16 (17.6)	3/32 (2.4)	MT-06424-19	10		MT-06422-17	17		MT-06432-60	17	
1/2 (12.7)	3/4 (19.1)	1/8 (3.2)	MT-06424-81	10		MT-06422-18	17		MT-06432-61	17	

Tubing Accessories

Handheld Tubing Cutter

Steel blade coated with PTFE resin produces clean, straight cuts through tubing up to 1 1/4" OD (cuts polyethylene tubing up to 1 1/2" OD). Order carrying pouch and replacement blade separately below.

MT-06438-90 Handheld tubing cutter
MT-06438-81 Tubing cutter pouch
MT-06438-92 Replacement blade for handheld tubing cutter 06438-90

Benchtop Tubing Cutter

Steel blade makes right-angle cuts in plastic tubing 1/16" to 5/8" OD.

MT-06438-10 Benchtop cutter
MT-06438-11 Replacement blade

Stainless Steel Hose Clamps

SS strap and screw housing with a steel screw. Band-type worm drive.

Clamp diameter		Catalog number	Price/ pk of 10*
Min	Max		
7/32"	5/8"	MT-06403-11	
11/16"	1 1/4"	MT-06403-12	
13/16"	1 3/4"	MT-06403-13	
1 1/16"	2"	MT-06403-14	
1 5/16"	2 1/4"	MT-06403-15	
2"	2 3/4"	MT-06403-16	
2 3/4"	3 1/2"	MT-06403-21	
3 1/2"	4 3/8"	MT-06403-22	
4 3/8"	5 1/8"	MT-06403-23	
5 1/8"	5 7/8"	MT-06403-24	
5 1/2"	6 1/4"	MT-06403-25	

***Discounts:** Save 10% on 5–24 pks, 15% on 25–99 pks, and 20% on 100+ pks.

Plastic Clamp Ties

Perfect for flexible fuel line, water line, and vacuum line applications. Special curved clamp tie head ensures a tight seal. Ties measure 8"L x 0.18"W; maximum diameter of 1 3/4". Black resin resists UV degradation.

MT-95615-00 Clamp ties, white. 100/pk
MT-95615-10 Clamp ties, black. 100/pk

Cole-Parmer® Plastic Hose Clamps and Kits

Reusable white acetal copolymer clamps will not rust or corrode. Recommended for continuous use from ambient temperature to 200°F (93°C). Clamps are nonconducting and stable in a wide variety of chemicals.

Once set, clamps stay put. To use, just position clamp on hose or tubing bundle and press the jaws together with a pair of pliers. Order clamps individually or in a handy kit.

Cole-Parmer®

Inside diameter				Catalog number	Qty/pk	Price/ pk**
Decimal inches		Millimeters				
Min	Max	Min	Max			
0.228	0.256	5.8	6.5	MT-06832-01	100	
0.269	0.291	6.8	7.4	MT-95614-00	100	
0.307	0.342	7.8	8.7	MT-06832-03	100	
0.351	0.394	8.9	10.0	MT-06832-02	100	
0.387	0.440	9.8	11.2	MT-95614-01	100	
0.404	0.452	10.3	11.5	MT-06832-04	100	
0.449	0.511	11.4	13.0	MT-06832-06	100	
0.513	0.586	13.0	14.9	MT-06832-08	100	
0.569	0.650	14.5	16.5	MT-06832-10	100	
0.616	0.707	15.7	18.0	MT-06832-12	100	
0.702	0.801	17.8	20.4	MT-06832-14	100	
0.759	0.848	19.3	21.5	MT-06832-16	100	
0.779	0.899	19.8	22.8	MT-06832-18	100	
0.859	0.989	21.8	25.1	MT-06832-20	100	
0.928	1.072	23.6	27.2	MT-06832-22	100	
0.985	1.135	25.0	28.8	MT-06832-24	100	
1.123	1.296	28.5	32.9	MT-06832-28	50	
1.218	1.405	30.9	35.7	MT-06832-32	50	

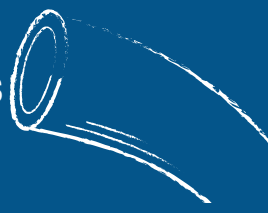
****Discounts:** Save 10% on 4–19 pks, 15% on 20–79 pks, and 20% on 80+ pks.

MT-06832-99 White acetal copolymer hose-clamp kit includes 170 assorted clamps from 0.228" to 1.405" ID.

Your Complete Source for **Fluid Handling** Products

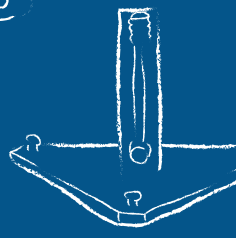
Get Pumping: >2300 Pumps

See it Through: >170 Tubing Formulations plus Custom Cut Sizes

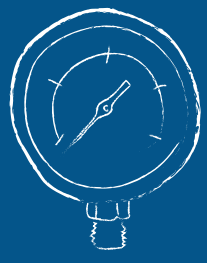


The Right Fit: 4500+ Fitting Options

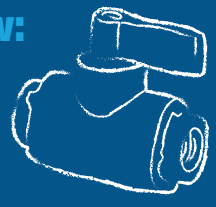
In the Flow: More than 3200 Flowmeter Options



Pressure Relief: Select from 3000+ Pressure Gauges



Control your Flow: More than 1000 Valves



MORE ONLINE ColeParmer.ca

Cole-Parmer® Ultrasonic Cleaners

Quicker cleaning and degassing of samples

- High-frequency sound waves provide greater cleaning and reliability
- Gentle cleaning with 40 kHz sound waves won't damage delicate items
- Durable, leakproof design for worry-free cleaning

Basic Ultrasonic Cleaners

- Set timer and don't worry—control cleaning cycles up to 60 minutes
- Get better cleaning with optional heater models—heat to 156°F (69°C) with overtemperature protection

Advanced Ultrasonic Cleaners

- Easily control your precise applications—feature digital timer, power tracking, sleep, and degas mode
- Worry-free processes—set timer for up to 90 minutes, unit automatically compensates for heavier loads
- Get deeper cleaning with optional heater option

08895-43

Cole-Parmer®

Capacity gal. (L)	Tank dimensions (L x W x H)	Power (50/60 Hz)	Basic cleaner with mechanical timer			Basic cleaner with mechanical timer and heater			Advanced cleaner with digital timer, power tracking, and degas			Advanced cleaner with digital timer, power tracking, high/low power, degas and heater		
			Amps	Cat. no.	Price	Amps	Cat. no.	Price	Amps	Cat. no.	Price	Amps	Cat. no.	Price
½ (1.9)†	6" x 5½" x 4" (15.2 x 14 x 10.2 cm)	115 VAC	0.8	MT-08895-21		1.2	MT-08895-23		0.8	MT-08895-25		1.3	MT-08895-27	
		230 VAC	0.4	MT-08895-29		0.7	MT-08895-31		0.4	MT-08895-33		0.7	MT-08895-35	
¾ (2.8)†	9½" x 5½" x 4" (24.1 x 14 x 10.2 cm)	115 VAC	1.1	MT-08895-37		2	MT-08895-39		1.1	MT-08895-41		2	MT-08895-43	
		230 VAC	0.6	MT-08895-45		1.1	MT-08895-47		0.6	MT-08895-49		1.1	MT-08895-51	
1½ (5.7)‡	11½" x 6" x 6" (29.2 x 15.2 x 15.2 cm)	115 VAC	1.1	MT-08895-53		2.9	MT-08895-55		1.1	MT-08895-57		2.9	MT-08895-59	
		230 VAC	0.6	MT-08895-61		1.5	MT-08895-63		0.6	MT-08895-65		1.6	MT-08895-67	
2½ (9.5)‡	11½" x 9½" x 6" (29.2 x 24.1 x 15.2 cm)	115 VAC	1.5	MT-08895-69		4	MT-08895-71		1.5	MT-08895-73		4.1	MT-08895-75	
		230 VAC	0.8	MT-08895-77		2.1	MT-08895-79		0.8	MT-08895-81		2.1	MT-08895-83	
5½ (20.8)‡	19½" x 11" x 6" (49.5 x 27.9 x 15.2 cm)	115 VAC	2.7	MT-08895-85		7.7	MT-08895-87		2.7	MT-08895-89		7.8	MT-08895-91	
		230 VAC	1.4	MT-08895-93		4	MT-08895-95		1.4	MT-08895-97		4	MT-08895-99	

†The ½- and ¾-gallon cleaners have a pour spout. ‡The 1½-, 2½-, and 5½-gallon cleaners have a built-in pour drain.

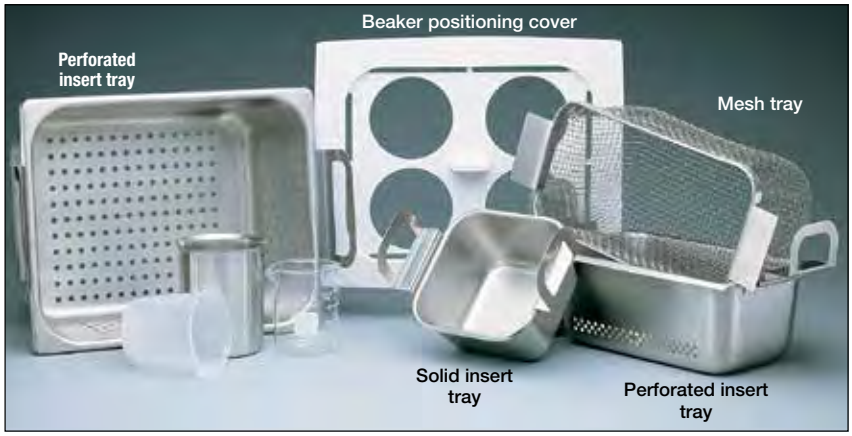
Accessories for Ultrasonic Cleaners

Achieve optimal cleaning results!

Ultrasonic activity is greatest about an inch from the bottom of the tank, so suspending your items provides the best cleaning possible and helps prevent damage to the transducers.

Insert Trays are constructed of 304 stainless steel. Use the solid trays to support items that require indirect cleaning. Use perforated or mesh trays to support items in the tank for direct cleaning.

Beaker Positioning Covers are ideal for cleaning small objects or for indirect cleaning. Covers come with a beaker suspension ring.



Compatible ultrasonic cleaners	Solid insert trays		Perforated insert trays		Mesh insert trays		Beaker positioning covers			
	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Beakers held	Material	Cat. no.	Price
08895-21 to -35 series	MT-08850-41		MT-08850-42		MT-08850-45		One 600 mL	Polypropylene	MT-08890-50	
08895-37 to -51 series	MT-08851-41		MT-08851-42		MT-08851-45		Two 600 mL	Polypropylene	MT-08891-50	
08895-53 to -67 series	MT-08852-41		MT-08852-42		MT-08852-45		Three 250 mL	Polypropylene	MT-08892-50	
08895-69 to -83 series	MT-08853-41		MT-08853-42		—	—	Four 600 mL	Polypropylene	MT-08893-50	
08895-85 to -99 series	MT-08854-41		MT-08854-42		—	—	Six 600 mL	304 stainless steel	MT-08894-50	

Cole-Parmer® Air Cadet® Vacuum/Pressure Pumps

Get better results with minimal dead space

- Minimizes dead space and air entrapment with unique cavity configuration
- No maintenance needed—AC motors are brushless with sealed ball bearings
- Worry-free pumping with reduced stress, wear, and heat buildup

A–B. Single- and Dual-Head Pumps

- Handle tough applications easily
- Increase your capacity with dual-head models independently pumping or connected in series
- Easy shut-off with power switch on all models except 07532-65

What's included: PTFE thread tape and polyethylene ⅜" NPT(M) x ⅜" hose barb adapters.

C. Vacuum/Pressure Stations

- Increase productivity—evacuate or pressurize two systems simultaneously with auxiliary port
- Get control with built-in bronze and brass gauge and stainless steel regulator

What's included: PTFE thread tape, two polyethylene ⅜" NPT(M) x ⅜" hose barb adapters, and one polyethylene ¼" NPT(M) x ⅜" hose barb adapter (for auxiliary port).

D. OEM Vacuum/Pressure Pumps

- Get long, reliable operation—continuous operation up to 18 psi for 4000 service hours
- Provides pumping with minimal stress and heat buildup

ISO 9001:2008 CERTIFIED SUPPLIER
RUNS DRY

Free-air capacity cfm (LPM)	Max vacuum " Hg (Torr)	Max pressure psi (bar)	Wetted parts	Noise rating	Port size	Power	Catalog number	Price
A. Single-head pumps								
0.54 (15.5)	20 (508)	18 (1.24)	Noryl® pump head, FKM diaphragm, PTFE valves, and polyethylene (PE) adapters	72 dB(A)	⅜" hose barb	115 VAC, 60 Hz	MT-07532-40	
0.45 (13)						230 VAC, 50 Hz	MT-07532-45	
B. Dual-head pumps								
1.1 (31)†	20 (508)	18 (1.24)	Noryl pump head, FKM diaphragm, PTFE valves, and PE adapters	76 dB(A)	⅜" hose barb	115 VAC, 60 Hz	MT-07532-60	
0.91 (26)†						230 VAC, 50 Hz	MT-07532-65‡	
C. Vacuum/pressure stations								
0.5 (14.1)	20 (508)	18 (1.24)	FKM diaphragm, SS regulator, bronze/brass gauge, and PE adapters	73 dB(A)	⅜" hose barb	115 VAC, 60 Hz	MT-07532-80	
0.4 (11.3)						230 VAC, 50 Hz	MT-07532-85	
D. OEM vacuum/pressure pumps								
0.6 (17)	20 (508)	18 (1.24)	Noryl pump head, FKM diaphragm, PTFE valves	72 dB(A)	⅜" NPT(F)	115 VAC	MT-07530-85	
	18 (457.2)	15 (1.03)	Noryl pump head, FKM diaphragm, PTFE valves, and PE adapters			12 VDC	MT-07532-25	

† Total free-air capacity. Single-channel capacity is half this value. ‡Power switch not available on this model. **Note:** Do not use metal fittings with any Air Cadet pump.

Accessories

MT-07395-20 **Vacuum/pressure gauge connector kit,** brass. Contains two PE adapters and one each of bushing, pipe tee, and adapter for pipe mount

MT-07530-06 **Service kit.** Contains long-life nitrile diaphragm, Noryl pump head, two PTFE valves, and two Noryl retainers

Replacement Parts

MT-07530-77 **Pump head assembly,** Valox®. Includes valves and retainers. For continuous pressures greater than 14 psi

MT-07530-71 **Diaphragm clamp assembly;** includes diaphragm clamp and shaft, and eccentric assembly

MT-07530-79 **Diaphragm shaft**

MT-07530-75 **Eccentric assembly**

MT-08270-33 **Thread sealer tape** of PTFE resin. Each roll measures 260"L x ½"W. Pack of 10 rolls

General-Purpose Plastic Vials

One vial, a multitude of uses

A. Sample Vials with Snap Caps are shatterproof low-density polyethylene with secure, friction-fit caps. Use for all general applications.

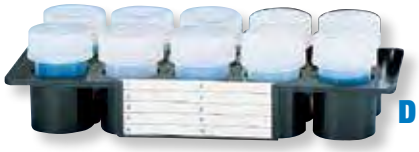
Capacity	Qty/pk	Catalog number	Price/pk
5 mL	12	MT-06087-05	
12 mL		MT-06087-15	
18 mL		MT-06087-25	
28 mL	12	MT-06087-35	
50 mL		MT-06087-45	
75 mL		MT-06087-55	

B. Miniature Vials with Hinged Caps open and close with a flick of your thumb. One-piece vial and airtight cap are made of low-density polyethylene.

Capacity	Qty/pk	Catalog number	Price/pk
0.3 mL	1000	MT-06094-10	
1.7 mL		MT-06094-20	
2.1 mL		MT-06094-30	
8.4 mL	1000	MT-06094-50	
16.9 mL	500	MT-06094-60	
29.6 mL	500	MT-06094-70	
42.3 mL	500	MT-06094-80	

C. Snap-Cap Sample Vials are clear polystyrene with polyethylene caps. These durable, lightweight vials withstand normal centrifugation.

Capacity	Qty/bx	Catalog number	Price/bx
11.1 mL	144	MT-06102-10	
18.5 mL		MT-06102-15	
25.9 mL		MT-06102-20	
37.0 mL	144	MT-06102-25	
55.5 mL		MT-06102-35	
74.0 mL		MT-06102-40	
111.0 mL	72	MT-06102-50	



D. PFA Vials in Organizer Trays are inert and nonleaching, with a temperature range of –320 to 500°F (–195 to 260°C)—ideal for sensitive samples. Trays are black HDPE with numbered pockets and slots for identification cards (not included). The 5- and 7-mL vials have a 6⅞"L x 2¾"W (17.5 x 7.0 cm) tray; the 15-, 22-, and 30-mL vials have a 10½"L x 3¼"W (26.7 x 8.3 cm) tray. Each tray contains ten vials.

Capacity	Cap		Catalog number	Price/ tray of 10
	Size	Type		
5 mL	24 mm	Snap	MT-08936-00	
7 mL	24 mm	Threaded	MT-08936-10	
15 mL	33 mm	Threaded	MT-08936-30	
22 mL	33 mm	Threaded	MT-08936-40	
30 mL	33 mm	Threaded	MT-08936-50	

Class A Sample Glass Vials

No more ion leaching

Screw-thread sample vials are manufactured from either clear 33 expansion borosilicate clear glass (Type 1, Class A) or 51A amber glass. Vials maintain pH level and eliminate ion leaching. Choose from a urea cap with PTFE foam-backed liner or an open-top, unlined polypropylene cap with PTFE/silicone septa. Vials, caps, and septa are shrink-wrapped separately.

Capacity	Qty/pk	Clear vials		Amber vials	
		Catalog number	Price/pk	Catalog number	Price/pk
Vials with urea cap/PTFE foam-backed liner					
2 mL	100	MT-08922-21		MT-08922-31	
4 mL	100	MT-08922-22		MT-08922-32	
8 mL	200	MT-08922-23		MT-08922-33	
12 mL	200	MT-08922-24		MT-08922-34	
16 mL	200	MT-08922-26		MT-08922-36	
20 mL	100	MT-08922-27		—	—
22 mL	200	MT-08922-28		—	—
40 mL	100	MT-08922-29		MT-08922-39	
Vials with open-top, unlined polypropylene cap and PTFE/silicone septa					
2 mL	100	MT-08922-41		MT-08922-51	
4 mL	100	MT-08922-42		MT-08922-52	
8 mL	200	MT-08922-43		MT-08922-53	
12 mL	200	MT-08922-44		MT-08922-54	
16 mL	200	MT-08922-46		MT-08922-56	
22 mL	200	MT-08922-48		—	—
40 mL	100	MT-08922-49		MT-08922-59	

Snap-Seal™ Sample Containers

Won't spill or leak

- Cap remains securely locked
- Reduce chance of contamination with hinged-cap design
- Autoclavable

Capacity	Catalog number	Qty/pk	Price/pk
13 mL	MT-62261-00	500	
45 mL	MT-62261-10	400	
120 mL	MT-62261-20	200	
240 mL	MT-62261-30	100	
300 mL	MT-62261-40	100	

WHEATON® Specimen Vials

Keep moisture out of samples

Clear soda-lime glass is chemically durable. The LDPE snap-on caps form an airtight seal—perfect for moisture sensitive materials. Finger tab on cap allows easy removal. Vials are on pull-out trays; two trays per case.

Capacity	Cap size	Catalog number	Qty/cs	Price/cs
8 mL	22 mm	MT-08921-01	144	
12 mL	22 mm	MT-08921-02		
16 mL	30 mm	MT-08921-03		
30 mL	34 mm	MT-08921-05	72	
60 mL	45 mm	MT-08921-06		
120 mL	45 mm	MT-08921-07		

Cole-Parmer®
210 - 5101 rue Buchan
Montréal, QC H4P 2R9
Phone: 1-800-363-5900
Fax: 1-514-355-7119
E-mail: info@coleparmer.ca
www.coleparmer.ca

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- USB, RS-232, Ethernet, and Wi-Fi interfaces ensure a secure connection with peripheral devices

B Series Toploading and Analytical Balances

Affordable balances for your everyday weighing tasks

See page 5

P Series Advanced Toploading and Analytical Balances

GLP function quickly diagnoses weighing errors

See page 5

MB-T Moisture Balances

Precisely verify relative moisture and dry mass content of various substances

See page 6

UMA-T and MA-T Ultra-Micro and Micro Balances

Automatic leveling system ensures quick adjustments and accurate results

See page 6