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for details



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 NIST Technical Note 1297 ISO 9000:2000

*Please check our scope of accreditation for any limitations.

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Look Inside for...



Catalyst™ FH100D Peristaltic Pumps

Oakton® EcoTestr™ pH 2 Pocket Tester

★★★★★
 Customer Approved



StableTemp™ Stirring Hot Plate

★★★★★
 Customer Approved



PP Graduated Beaker with Handle

★★★★★
 Customer Approved

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GUARANTEED

You Need It. We've Got It! Guaranteed.

Look for items with a GIS icon and catalog numbers highlighted in orange. If any of these items are not in stock when you order, we will pay the shipping costs!*

*GIS items in this catalog are guaranteed in stock through 12/31/15 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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Cole-Parmer® Symmetry® PA Analytical Balances

Discover Symmetry—affordable, advanced, accurate



Symmetry®

- 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

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	Repeat-ability	Linearity	Pan size	Catalog number	Price
Internal calibration						
120 g	0.0001 g	±0.0002 g	±0.0002 g	3½" dia	FP-10001-08	
220 g	0.0001 g	±0.0002 g	±0.0002 g	(9.0 cm)	FP-10001-09	
External calibration						
120 g	0.0001 g	±0.0002 g	±0.0002 g	3½" dia	FP-10001-00	
220 g	0.0001 g	±0.0002 g	±0.0002 g	(9.0 cm)	FP-10001-01	

Accessories

- [FP-11120-78](#) Compact thermal printer
- [FP-10000-47](#) Kensington™ type security lock and cable
- [FP-17101-52](#) NIST-traceable calibration with data for balances

Cole-Parmer® Symmetry® PT Toploading Balances

Large weighing surface allows placement of a variety of samples

NEW



Symmetry®

- 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

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	Cat. no.	Price
Internal calibration						
210 g	0.001 g	±0.002 g	±0.002 g	5½" x 5½"	FP-10001-10	
410 g	0.001 g	±0.002 g	±0.002 g	(13.0 x 13.0 cm)	FP-10001-11	
2200 g	0.01 g	±0.02 g	±0.02 g	7½" x 6¼"	FP-10001-12	
4200 g	0.01 g	±0.02 g	±0.02 g	(19.0 x 16.0 cm)	FP-10001-13	
External calibration						
210 g	0.001 g	±0.002 g	±0.002 g	5½" x 5½"	FP-10001-02	
410 g	0.001 g	±0.002 g	±0.002 g	(13.0 x 13.0 cm)	FP-10001-03	
2200 g	0.01 g	±0.02 g	±0.02 g	7½" x 6¼"	FP-10001-04	
4200 g	0.01 g	±0.02 g	±0.02 g	(19.0 x 16.0 cm)	FP-10001-05	
5000 g	0.1 g	±0.2 g	±0.4 g		FP-10001-06	
15000 g	0.1 g	±0.2 g	±0.4 g		FP-10001-07	

Accessories

- [FP-11120-78](#) Compact thermal printer
- [FP-10000-47](#) Kensington™ type security lock and cable
- [FP-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 five programmable set points, 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.



polystat®



Specifications

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

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 ¹ / ₁₆ " x 4 ¹ / ₁₆ " x 5 ⁷ / ₈ " (13.5 x 12.2 x 15 cm)	115, 60 230, 50	FP-12122-02 FP-12122-04	
8.6 L	-28 to 100°C	±0.05°C	500 W	Force	4.4 (310)	17	6 ¹ / ₁₆ " x 7 ³ / ₁₆ " x 5 ⁷ / ₈ " (17.3 x 18.3 x 15 cm)	115, 60 230, 50	FP-12122-32 FP-12122-34	
8.6 L	-28 to 150°C	±0.05°C	500 W	Force	4.4 (310)	17	6 ¹ / ₁₆ " x 7 ³ / ₁₆ " x 5 ⁷ / ₈ " (17.3 x 18.3 x 15 cm)	115, 60 230, 50	FP-12122-36 FP-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 ¹ / ₁₆ " x 4 ¹ / ₁₆ " x 5 ⁷ / ₈ " (13.5 x 12.2 x 15 cm)	115, 60 230, 50	FP-12122-12 FP-12122-14	
6.5 L	-20 to 100°C	±0.025°C	250 W	Force/suction	11.7 (750)	21	5 ¹ / ₁₆ " x 4 ¹ / ₁₆ " x 5 ⁷ / ₈ " (13.5 x 12.2 x 15 cm)	115, 60 230, 50	FP-12122-26 FP-12122-28	
8.6 L	-28 to 200°C	±0.025°C	500 W	Force/suction	11.7 (750)	21	6 ¹ / ₁₆ " x 7 ³ / ₁₆ " x 5 ⁷ / ₈ " (17.3 x 18.3 x 15 cm)	115, 60 230, 50	FP-12122-42 FP-12122-44	
8.6 L	-35 to 200°C	±0.025°C	800 W	Force/suction	11.7 (750)	21	6 ¹ / ₁₆ " x 7 ³ / ₁₆ " x 5 ⁷ / ₈ " (17.3 x 18.3 x 15 cm)	115, 60† 230, 50†	FP-12122-56 FP-12122-58	

†Requires 20 amp current.

Baths & Circulators

Techne® Fluidized Sand Bath System

Fast heat-ups and accurate temperature control to 600°C

- Dry, inert, nontoxic aluminum oxide ensures hazard-free operation
- Safer alternative to high temperature oil and salt baths

1. Sand Bath is ideal for heat treating processes, temperature sensor calibrations, and electrical component testing. Bath uses aluminum oxide (Al₂O₃) fluidized by low-pressure air as a dry bath medium with excellent heat transfer properties. Inert, nonflammable aluminum oxide (included) is safer to use than oil and will not corrode your sample vessels or produce toxic fumes.

Bath requires a dry air flow of approximately 3 cu ft/minute at about 3 psi pressure; order an air pump separately below. If your laboratory is equipped with an air line, it must be fitted with a filter and a pressure regulator; order below right.

What's included: bath includes 20-lb container of aluminum oxide, overspill flange, and universal power cord.



REQUIRED System Components

- 1) Sand bath
- 2) Temperature controller
- 3) Air pump



Temperature range	Optimum uniformity	Heaters	Heat-up times	Working area	Power (50/60 Hz)	Catalog number	Price
50 to 600°C (122 to 1112°F)	±0.5°C (±0.9°F)	2 x 750 W	6 min to 200°C 8 min to 350°C 22 min to 600°C	5 1/2" H x 7" dia (14 x 17.7 cm)	117 VAC 240 VAC	FP-01184-00 FP-01184-02	

FP-01184-58 Replacement aluminum oxide, 25 lbs

2. Temperature Controller integrates an air flowmeter and a PID temperature control with dual-setpoint programming to improve accuracy, increase temperature stability to ±0.2°C, and allow temperature settings to 1°C/°F. Includes a chromel/alumel type K thermocouple which fits into the bath's thermowell, and 10-ft of 3/8" tubing for air flow control.

Temperature range	Catalog number	Price
0 to 620°C (32 to 1148°F)	FP-01184-50	

3. Air Pump. When using intake filter, set pressure valve at 6 psi. For more vacuum/compressor pumps, go to ColeParmer.ca.

Motor hp	Power	Catalog number	Price
1/8	115 VAC, 60 Hz	FP-07055-04	
1/4	230 VAC, 50 Hz	FP-07055-35	

FP-01191-01 Air filter, use with lab air supply

FP-01191-02 Pressure regulator, use with lab air supply

Cole-Parmer® Tri-Corner Beakers, PP

Easy pouring from three sides

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



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Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
50 (1.5)	10	FP-06020-01	100	
100 (3.5)	10	FP-06020-03		
250 (8)	20	FP-06020-05		
400 (13)	40	FP-06020-07	100	
800 (26)	50	FP-06020-09		
1000 (32)	50	FP-06020-11		
Five of each above	—	FP-06010-07	30	

Cole-Parmer® Economy Beakers, PP

Pour without drips

- Molded-in graduations won't wear off
- Stable footed base minimizes tipping
- Use from 32 to 275°F (0 to 135°C)
- Autoclavable



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Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
50 (1.6)	10	FP-61003-12	12	
100 (3.4)	20	FP-61003-22	12	
250 (8)	50	FP-61003-42	6	
400 (13)	50	FP-61003-52	6	
600 (20)	50	FP-61003-62	4	
1000 (32)	100	FP-61003-72	3	
2000 (64)	200	FP-61003-82	1	
5000 (128)	500	FP-61003-92	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



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

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



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

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)



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Capacity mL (oz)	Graduations (mL)	Catalog number	Qty/pk	Price/pk
Beakers				
5 (0.17)	—	FP-06005-50	1000	
10 (0.3)	—	FP-06005-55	1000	
20 (0.6)	—	FP-06005-60	500	
50 (1.6)	—	FP-06005-65	500	
Graduated beakers				
150 (5)	30	FP-06005-70	100	
250 (8)	30	FP-06005-75	100	
800 (26)	60	FP-06005-85	100	
1000 (32)	60	FP-06005-90	100	

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	FP-06805-00	
19.3" x 24" (49 cm x 61 cm)	50 sheets	FP-06806-00	



Cole-Parmer® Griffin Graduated Beakers, PP

No more difficult readings

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



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- 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/1 pk
50 (1.7)	10	FP-06100-62	12	
100 (3.5)	20	FP-06100-64	12	
250 (8)	50	FP-06100-66	6	
400 (13)	50	FP-06100-68	6	
600 (20)	100	FP-06100-70	4	
1000 (34)	100	FP-06100-72	3	
2000 (68)	200	FP-06100-74	1	

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



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

Beakers

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



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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)	Catalog number	Qty/pk	Price/pk
500 (1/2)	FP-61000-22	4	
1000 (1)	FP-61000-30	1	
2000 (2)	FP-61000-42	2	
3000 (3)	FP-61000-52	2	
5000 (5)	FP-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



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- 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
30 (1)	10	FP-06001-86	12	
50 (1.6)	10	FP-06001-87	12	
100 (3.4)	10	FP-06001-88	12	
150 (5)	10	FP-06001-89	12	
250 (8)	25	FP-06001-90	6	
400 (13)	25	FP-06001-91	6	
600 (20)	25	FP-06001-92	4	
1000 (32)	50	FP-06001-93	3	
2000 (64)	100	FP-06001-94	1	
4000 (128)	250	FP-06001-95	1	

DON'T RISK IT!

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



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

Heatable beaker 06300-02 has a PTFE carbon base.



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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)	FP-06300-02	1		FP-06300-87	1	
250 (8)	FP-06300-04	1		FP-06300-91	1	
400 (13)	FP-06300-06	1		FP-06300-93	1	
Beakers						
1 (0.03)	FP-06300-62	2		FP-06300-79	2	
5 (1.17)	FP-06300-64	2		FP-06300-81	2	
10 (0.3)	FP-06300-66	2		FP-06300-81	2	
25 (0.8)	FP-06300-68	2		FP-06300-83	2	
50 (1.6)	FP-06300-74	1		FP-06300-85	1	
100 (3)	FP-06300-76	1		FP-06300-87	1	
150 (5)	FP-06300-78	1		FP-06300-89	1	
250 (8)	FP-06300-82	1		FP-06300-91	1	
400 (13)	FP-06300-84	1		FP-06300-93	1	
500 (16)	FP-06300-86	1		FP-06300-93	1	
600 (20)	FP-06300-88	1		FP-06300-95	1	
1000 (32)	FP-06300-92	1		FP-06300-95	1	
2000 (64)	FP-06300-94	1		FP-06300-97	1	
5000 (170)	FP-06300-96	1		FP-06300-99	1	

Large-Capacity Beakers, PP

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

NEW



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



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

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	FP-06147-00	1	
10,000 (320)	200	FP-06147-10		



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	Catalog number	Qty/ cs	Price/ cs
10 (1/8)	—	—	FP-34502-01			FP-34502-21		
20 (2/8)	5 to 15	5	FP-34502-02			FP-34502-22		
30 (1)	5 to 25	10	FP-34502-03	12		FP-34502-23	48	
50 (1 3/4)	10 to 40	10	FP-34502-04			FP-34502-24		
100 (3)	20 to 80	10	FP-34502-05			FP-34502-25		
150 (5)	20 to 140	10	FP-34502-06			FP-34502-26		
250 (8)	25 to 200	25	FP-34502-07	12		FP-34502-27	48	
400 (13)	25 to 325	25	FP-34502-08			FP-34502-28		
600 (20)	50 to 500	50	FP-34502-09	6		FP-34502-29	36	
800 (27)	50 to 750	50	FP-34502-10	6		FP-34502-30	24	
1000 (32)	50 to 1000	50	FP-34502-11	6		FP-34502-31	24	
1500 (51)	200 to 1400	100	FP-34502-12	4		FP-34502-32	16	
2000 (64)	200 to 2000	100	FP-34502-13	4		FP-34502-33	8	
3000 (96)	250 to 2500	125	FP-34502-14	1		FP-34502-34	6	
4000 (128)	500 to 3500	250	FP-34502-15	1		FP-34502-35	6	
Starter set contains one each of 50 mL, 100 mL, 250 mL, 600 mL, 1000 mL			—	—	—	FP-34502-90	5	



Beakers

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

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

NEW



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 (1/8)	—	FP-34503-42†	12	
25 (2/8)	5	FP-34503-44	12	
50 (1 3/4)	10	FP-34503-46	12	
100 (3)	10	FP-34503-48	12	
150 (5)	20	FP-34503-50	12	
250 (8)	25	FP-34503-52	12	
400 (13)	25	FP-34503-54	12	
600 (20)	50	FP-34503-56	6	
1000 (32)	50	FP-34503-58	6	
2000 (64)	100	FP-34503-60	4	
3000 (96)	125	FP-34503-62	1	
5000 (160)	250	FP-34503-64	1	

†The 10-mL beaker does not have graduations



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

KIMAX® Color-Coded Griffin Beakers

Get quick and easy identification with brightly colored markings

- Durable, uniform KIMAX KG-33 glass
- Permanent markings won't wear off
- Use up to maximum temperature of 840°F (450°C)
- Autoclavable

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)	Blue-coded beakers			Green-coded beakers			Yellow-coded beakers			Red-coded beakers		
			Catalog number	Qty/ cs	Price/ cs	Catalog number	Qty/ cs	Price/ cs	Catalog number	Qty/ cs	Price/ cs	Catalog number	Qty/ cs	Price/ cs
50 (1¾)	10 to 40	10	FP-34515-00	12		FP-34515-14	12		FP-34515-28	12		FP-34515-42	12	
100 (3)	20 to 80	10	FP-34515-02			FP-34515-16			FP-34515-30			FP-34515-44		
150 (5)	20 to 140	20	FP-34515-04			FP-34515-18			FP-34515-32			FP-34515-46		
250 (8)	25 to 200	25	FP-34515-06			FP-34515-20			FP-34515-34			FP-34515-48		
400 (13)	25 to 325	25	FP-34515-08	12		FP-34515-22	12		FP-34515-36	12		FP-34515-50	12	
600 (20)	50 to 500	50	FP-34515-10	6		FP-34515-24	6		FP-34515-38	6		FP-34515-52	6	
1000 (32)	100 to 1000	50	FP-34515-12	6		FP-34515-26	6		FP-34515-40	6		FP-34515-54	6	



Cole-Parmer® Watch Glasses

Don't let samples evaporate

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



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	FP-34508-50	
65 mm	150 mL	12	FP-34508-52	
75 mm	250 mL	12	FP-34508-54	
90 mm	400 mL	12	FP-34508-56	
100 mm	600 mL	12	FP-34508-58	
125 mm	1000 mL	12	FP-34508-60	
150 mm	2000 mL	12	FP-34508-62	



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



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

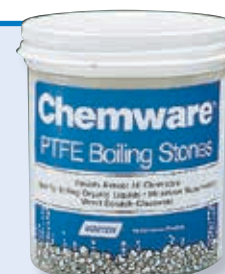
Chemware® Boiling Stones

Minimize bumping with no scratching

- PTFE stones have maximum temperature of 550°F

Description	Catalog number	Price
Boiling stones	FP-01199-00	

*Quantity discounts are available—call for details.





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

Recessed covers for easy storage



Optional covers sold 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 L (qt)	Qty/pk	Beakers		Optional covers	
		Catalog number	Price/pk	Catalog number	Price/pk
1.2 (1¼)	1	FP-07206-10		FP-07207-10	
1.9 (2)	1	FP-07206-20		FP-07207-20	
3.1 (3¼)	1	FP-07206-30		FP-07207-30	
4.5 (4¾)	1	FP-07206-40		FP-07207-40	
5.8 (6½)	1	FP-07206-60		FP-07207-60	
7.6 (8)	1	FP-07206-80		FP-07207-80	
11.4 (12)	1	FP-07206-90		FP-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)



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)	Catalog number	Qty/pk	Price/pk
0.3 (¾)	FP-07250-00	1	
1 (1¼)	FP-07251-00		
1.5 (1½)	FP-07252-00		
2.6 (2¾)	FP-07253-00	1	
4 (4¼)	FP-07254-00		
7 (7¾)	FP-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



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 (4.2)	FP-07205-30	1	
250 (8.5)	FP-07205-40	1	
600 (20.3)	FP-07205-50	1	
1200 (40.6)	FP-07205-60	1	
2000 (67.6)	FP-07205-70	1	
3000 (101.4)	FP-07205-80	1	
4000 (135.3)	FP-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)



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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)	Graduations, mL (oz)	Catalog number	Qty/pk	Price/pk
500 (16)	50 (2)	FP-07220-00	1	
1000 (32)	100 (2)	FP-07222-00	1	
2000 (64)	100 (4)	FP-07224-00	1	
5000 (160)	200 (4)	FP-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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\$ 20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases



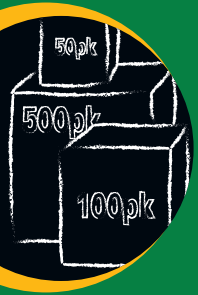
Capacity L (qt)	Catalog number	Qty/pk	Price/pk
2 (1.9)	FP-07208-20	1	
3 (2.8)	FP-07208-30		
3.7 (4)	FP-07208-50		

Sample Prep and Storage Made Easy



Guaranteed in Stock

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Save up to 20% on labware and supplies



Chemical Compatibility

Check material compatibility before you buy

ColeParmer.ca/Chemchart



Stirring Hot Plate page 76

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— or Ch@t Live —

**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



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
250 (8)	53B	FP-06257-05	6	
1000 (32)		FP-06257-10	6	
2000 (64)		FP-06257-20	2	
4000 (128)	83B	FP-06257-00	1	
5000 (160)		FP-06257-30		

**Cole-Parmer® Class A
Glass Media Bottles**

NEW

Easy pouring,
wide-mouth opening

- Ideal of mixing, storing, and sampling
- Get quick identification—large marking spot and gradations
- Autoclavable PP cap and bottle



Cole-Parmer®

Capacity mL (oz)	Graduation range (mL)	Graduation interval (mL)	Thread size	Catalog number	Qty/cs	Price/cs
100 (3)	20 to 80	25	GL45	FP-34505-72	10	
250 (8)	50 to 200	50		FP-34505-74	10	
500 (16)	100 to 400	100		FP-34505-76	10	
1000 (32)	100 to 900	100	GL45	FP-34505-78	10	
2000 (64)	400 to 1800	100		FP-34505-80	4	

Bottles

**Thermo Scientific™ Nalgene™
Filling/Venting Caps, PP**

Quick and easy aseptic liquid transfer

Filling/Venting Caps have thermoplastic elastomer (TPE) gaskets to allow aseptic liquid transfer. Include 6" (15 cm) and 30" (76 cm) lengths of platinum-cured silicone tubing. Autoclavable.

Fitting Kits include two PP fittings, two acetal nuts, two silicone gaskets, thermoplastic elastomer (TPE) port cap, instructions, and template. Autoclavable.



Buy More...Save More!

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

Tubing ID	Ports	Cap size	Catalog number	Qty/pk	Price/pk
Filling/venting caps					
1/2"	2 tubing, 1 venting	83B	FP-06258-00	1	
1/4"		53B	FP-06258-10	1	
1/4"		83B	FP-06258-20	1	
Barbed bulkhead fitting kits					
1/4"	—	—	FP-06259-10	2	
1/2"	—	—	FP-06259-00	2	

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.



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

[FP-34514-50](#) Polypropylene cap, orange, GL45. Cs of 20

[FP-34514-53](#) Polypropylene cap, green, GL45. Cs of 20

[FP-34514-54](#) Polypropylene cap, gray membrane, GL45. Cs of 10

[FP-34514-55](#) Polypropylene cap, red high-temp. GL45. Cs of 10

[FP-34514-60](#) Pouring ring, clear, low temperature. Cs of 50

[FP-34514-65](#) Pouring ring, red, high temperature. Cs of 50

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

DON'T RISK IT!

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



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



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

†Graduated in mL and oz.



Thermo Scientific™ Nalgene™ Square Wide-Mouth Bottles, PP

Fill and remove samples with ease

- Leakproof, PP screw enclosures
- 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)	Cap size	Catalog number	Qty/pk	Price/pk
60 (2)	28 mm	FP-06022-61		
175 (6)	38 mm	FP-06022-62	12	
250 (8)	43 mm	FP-06022-63		
500 (16)	53 mm	FP-06022-64	12	
1000 (32)	63 mm	FP-06022-65	6	

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



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
25 (¾)	24	FP-06019-70		
50 (1¾)	29	FP-06019-72	10	
100 (3½)	40	FP-06019-74		
250 (8)	40	FP-06019-76		
500 (16)	53	FP-06019-78	6	
1000 (32)	66	FP-06019-80		
2000 (64)	66	FP-06019-82		

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

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

FP-63000-04 Replacement caps, PP, 24 mm. Pack of 12

FP-63000-10 Replacement caps, PP, 43 mm. Pack of 12

Environmental Express® Disposable BOD Bottles

Reduce contamination and increase test accuracy

NEW

- No precleaning required!
- Laboratory tested and US EPA approved
- Unbreakable and recyclable
- Packed in plastic-lined boxes to eliminate dust and residue



ENVIRONMENTAL EXPRESS®

Capacity	Catalog number	Qty/pk	Price/pk
300 mL	FP-53200-02	100	

FP-53200-12 BOD bottle stopper, acrylic. Pack of 25

FP-53200-14 BOD overcap prevents evaporation. Pack of 50

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)	FP-06053-21		
250 (8)	FP-06053-41	12	
500 (16)	FP-06053-61		
1000 (32)	FP-06053-81		



Buy More...Save More!

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

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	FP-62304-20	6	
250 (8)	24 mm	FP-62304-30		
500 (16)	28 mm	FP-62304-40		
1000 (32)	38–430	FP-62304-50	4	

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	FP-34605-30	24	
240 (8)	70 mm	FP-34605-55		
480 (16)	89 mm	FP-34605-60	12	
960 (32)	89 mm	FP-34605-70		

Graduated Sample Containers, PP

No more leaks—leakproof for better sampling

- Easier sampling—graduated for measuring directly
- Durable design—translucent, unbreakable, and chemical resistant
- Sterile containers are individually wrapped



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

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	FP-06256-30	
Distilled water	Blue		FP-06256-20	
Deionized water	Blue		FP-06256-14	
Acetone	Red		FP-06256-40	
Methanol	Green	6	FP-06256-50	
Isopropanol	Yellow		FP-06256-60	
Toluene†	Red		FP-06256-70	
70% ethanol	Natural		FP-06256-13	
100% ethanol	Natural		FP-06256-81	
Bleach	Blue	6	FP-06256-90	
Methyl ethyl ketone	Green		FP-06256-10	
Soap	Blue		FP-06256-11	
Assortment pack for water, acetone, ethanol, isopropanol, methanol, and toluene†	—	6	FP-06256-00	

†Not recommended for long-term storage of toluene.

Thermo Scientific™ Nalgene™ Multipurpose Jars, PC and PEI

Use as water baths or freeze-drying chambers

- Convert 06761-12, -25, and -30 to vacuum jars with optional vacuum plate
- Do not autoclave jars if using them for vacuum service



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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 (gal.)	Catalog number	Qty/pk	Price/pk
Polycarbonate jars, include lids			
2 (1/2)	FP-06761-20	1	
4.75 (1 1/4)	FP-06761-12†		
8.5 (2 1/4)	FP-06761-00		
19 (5)	FP-06761-27		
Amber polyetherimide jars, no lids			
8.25 (2 1/8)	FP-06761-25†	1	
19 (5)	FP-06761-30†		

†These models fit the vacuum plates sold below.

[FP-06763-02 Vacuum plate](#) for 06761-25, -30

[FP-06413-20 Tygon® vacuum tubing](#) 1/4" ID. Pack of 10 ft (3.0 m)



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)



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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	FP-06760-50	4	
60 (2)	53	FP-06760-52		
125 (4)	70	FP-06760-54		
250 (8)	70	FP-06760-56	4	
500 (16)	120	FP-06760-58		
1000 (32)	120	FP-06760-60		
Polypropylene (PP) containers				
15 (1/2)	38	FP-06758-48	12	
30 (1)	43	FP-06758-50		
60 (2)	53	FP-06758-52		
125 (4)	70	FP-06758-54		
250 (8)	70	FP-06758-56	6	
500 (16)	120	FP-06758-58		
1000 (32)	120	FP-06758-60		

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

Rugged design fits all your needs

- Leakproof, PP enclosure



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

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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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)	28 mm	FP-06043-10	12	
60 (2)	28 mm	FP-06043-20		
125 (4)	38 mm	FP-06043-30		
250 (8)	43 mm	FP-06043-40	12	
500 (16)	53 mm	FP-06043-50		
1000 (32)	63 mm	FP-06043-60		

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 (sold separately below)



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10% off on 6 to 29 packs or cases

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

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

Tecky's Tips



Caring for Your Plasticware

Washing Plastics with a Mild Detergent is sufficient for most general applications. Be sure to rinse with tap water, then rinse again with distilled water. Most plastics, particularly the polyolefins (PPCO, PP, PMP, LDPE, and HDPE), have nonwetting surfaces that resist attack and are easy to clean. Do not use abrasive cleaners or scouring pads on plastic labware. Do not use strong alkaline cleaning agents with polycarbonate (PC).

Ultrasonic Cleaners can be used as long as labware does not rest on the bottom of the tank. Use a cleaning basket for best results.

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.**



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

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	FP-06048-01	12	
60 (2)	28 mm	FP-06048-02		
125 (4)	38 mm	FP-06048-10		
250 (8)	43 mm	FP-06048-20	6	
500 (16)	53 mm	FP-06048-30		
1000 (32)	63 mm	FP-06048-40		

Accessories

- [FP-63000-06](#) Replacement cap, PP, 28 mm. Case of 12
- [FP-63000-10](#) Replacement cap, PP, 43 mm. Case of 12
- [FP-63000-12](#) Replacement cap, PP, 53 mm. Case of 12
- [FP-63000-14](#) Replacement cap, PP, 63 mm. Case of 12

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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10% off on 6 to 29 packs or cases

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

DON'T RISK IT!

Our chemical compatibility database provides important information on chemical resistance—check it out at [ColeParmer.ca/ChemChart](#)





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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- 10% off on 6 to 29 packs or cases

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

Sanitary Bottles, 316L SS

(Light Gauge)

Keep air and
liquids out

- Constructed of 316L stainless steel with #9, 24 Ra finish
- Included sanitary Tri-Clamp® flange opening, end cap platinum-cured silicone gasket, and heavy-duty clamp



Capacity L (gal.)	Tri-Clamp opening	Neck ID	Bottom OD	Catalog number	Qty/pk	Price/pk
1 (1/4)	2"	1 7/8"	4" (10.2 cm)	FP-07506-01	1	
	3"	3"		FP-07506-31		
2 (1/2)	2"	1 7/8"	4 3/4" (12.1 cm)	FP-07506-02	1	
	4"	3 7/8"		FP-07506-32		
5 (1 1/2)	2"	1 7/8"	7 1/8" (18.1 cm)	FP-07506-05	1	
	4"	3 7/8"	6 3/8" (16.2 cm)	FP-07506-35		
10 (2 2/3)	2"	1 7/8"	8 3/4" (22.2 cm)	FP-07506-10	1	
	4"	3 7/8"	8 3/8" (21.3 cm)	FP-07506-80		
20 (5 1/4)	2"	1 7/8"	10 5/8" (27.0 cm)	FP-07506-20	1	
	4"	3 7/8"		FP-07506-90		

Bottles

Wide-Mouth Jars, PET

Maintain FDA-compliance

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



“The little jar that works!”



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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
180 (6)	53 mm	FP-06043-70	12	
240 (8)	53 mm	FP-06043-71		
350 (12)	63 mm	FP-06043-72		
480 (16)	63 mm	FP-06043-73		
960 (32)	89 mm	FP-06043-74	12	
2000 (64)	100 mm	FP-06043-75	6	
4000 (128)	100 mm	FP-06043-76	4	

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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- 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 (1/4)	38 mm	12	FP-06100-10	
4 (1)			FP-06100-20	
10 (2 1/2)			FP-06100-30	
19 (5)			FP-06100-40	

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

Wait!

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ColeParmer.ca**

Find more than
100,000 products
to choose from!



Key	Description	Brush bristles		Material	Handle length		Catalog number	Qty/pk	Price
		Size (L x W)			in.	cm			
Beaker/bottle/flask brushes									
A	Radial tip, small	3" x 1 3/4"	7.6 x 3.2 cm	Polyester	9	22.9	FP-84550-80	12	
	Radial tip, large	6" x 3 1/8"	15.2 x 7.9 cm		10	25.4	FP-84550-81	12	
	Radial tip, XL	6" x 3 1/8"	15.2 x 7.9 cm		13	33	FP-84550-82	6	
B	Contoured, large	10" x 3 1/8"	25.4 x 7.9 cm	Polyester	7	17.8	FP-84550-83	6	
	Contoured, XL	17" x 3 1/8"	43.2 x 7.9 cm		11	27.9	FP-84550-84	6	
C	Fan tip, small	6" x 1 1/2"	15.2 x 3.8 cm	Natural	6	15.2	FP-84550-86	12	
D	Tufted end, small	4 1/4" x 1 1/2"	11.4 x 3.8 cm		7 1/2	19.1	FP-84550-87	12	
	Tufted end, XL	4 1/4" x 1 3/4"	11.4 x 4.5 cm	19 1/2	49.5	FP-84550-88	12		
E	Angled head, small	3" x 1"	7.6 x 2.5 cm	Polyester	13	33	FP-84550-76	1	
	Angled head, large	4" x 1 1/2"	0.2 x 3.8 cm	Natural	12	30.5	FP-84550-89	12	
	Volumetric, large	4" x 1 1/2"	10.2 x 3.8 cm	Nylon	10	25.4	FP-84550-90	12	
Bottle/cylinder brushes									
F	Radial tip, white bristles	6 1/2" x 3 1/8" dia	16.5 x 7.9 cm dia	Nylon	9	22.9	FP-84550-00	1	
	Radial tip, X-shaped yellow bristles						FP-84550-03	1	
	Radial tip, X-shaped green bristles						FP-84550-04	1	
G	Radial tip, white bristles	6 1/2" x 3 1/8" dia	16.5 x 7.9 cm dia	Polyester	9	22.9	FP-84550-70	1	
	Radial tip, red bristles						FP-84550-72	1	
	Radial tip, blue bristles						FP-84550-74	1	
H	Radial tip, small	4 1/2" x 1 3/4"	11.4 x 4.5 cm	Natural	7	17.8	FP-84550-15	12	
	Radial tip, medium	5" x 2"	12.7 x 5.1 cm		11	27.9	FP-84550-16	12	
	Radial tip, large	6" x 2 3/8"	15.2 x 6.1 cm	Nylon	14	35.6	FP-84550-17	12	
	Radial tip, XL				18	45.7	FP-84550-18	12	
	Radial tip, XXL				24	60.9	FP-84550-19	12	
Glassware brushes									
I	Foam-tipped	7" x 2"	17.8 x 5.1 cm	Polypropylene/foam	13	33	FP-84552-14	1	
		5" x 2"	12.7 x 5.1 cm		7	17.8	FP-84552-16	1	
J	Cylinder/Funnel brush	16" x 3 1/8"	40.6 x 7.9 cm	Polyester	10 1/2	26.7	FP-84550-71	12	
		24" x 3 1/8"	60.9 x 7.9 cm		17 1/2	44.5	FP-84550-73	12	
K	Swivel head brush	1 3/4" dia	3.2 cm	Natural	13	33	FP-84550-55	1	

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	FP-34541-00	
25 mL	1.0 to 25 mL	0.1 mL	±0.03 mL	FP-34541-02	
50 mL	1.5 to 50 mL	0.1 mL	±0.05 mL	FP-34541-04	
100 mL	3.0 to 100 mL	0.2 mL	±0.1 mL	FP-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®

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

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	FP-07879-10	
15 mL	0.1 mL	500 mL	FP-07879-20	
25 mL	0.1 mL	1000 mL	FP-07879-30	
50 mL	0.1 mL	1000 mL	FP-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	FP-34543-21	
25 mL	0.10 mL	±0.03 mL	FP-34543-22	
50 mL	0.10 mL	±0.05 mL	FP-34543-23	
100 mL	0.20 mL	±0.10 mL	FP-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	FP-06209-10	
25 mL	0.1 mL	500 mL	FP-06209-20	
50 mL	0.1 mL	1000 mL	FP-06209-30	

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

FP-06703-10 Single burette clamp, HDPE

Questions?



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Chat live: ColeParmer.ca

Solid-Design Cable Ties, Nylon

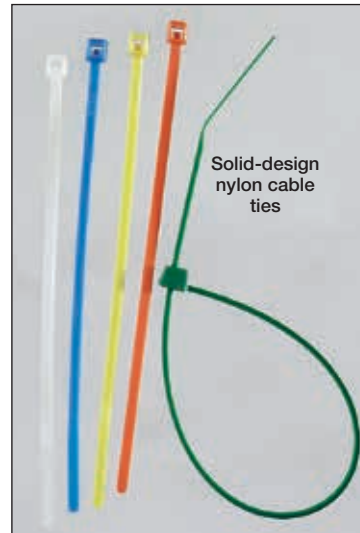
Won't corrode or stretch—made from injection-molded plastic

- 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.



Length	Bundle diameter	Color	Catalog number	Qty/pk	Price/pk
Miniature, 18-lb tensile strength					
4" (10.2 cm)	7/8" (2.2 cm)	White	FP-06830-66	100	
			FP-06830-52	1000	
			FP-06830-51 [†]	1000	
4" (10.2 cm)	7/8" (2.2 cm)	Black	FP-06830-68	100	
			FP-06830-61	1000	
4" (10.2 cm)	7/8" (2.2 cm)	Red	FP-06830-11	100	
			FP-06830-62	1000	
4" (10.2 cm)	7/8" (2.2 cm)	Blue	FP-06830-12	100	
			FP-06830-62	1000	
4" (10.2 cm)	7/8" (2.2 cm)	Green	FP-06830-63	1000	
			FP-06830-64	1000	
4" (10.2 cm)	7/8" (2.2 cm)	Yellow	FP-06830-64	1000	
			FP-06830-65	1000	
Intermediate, 40-lb tensile strength					
5½" (14.0 cm)	1¼" (3.2 cm)	White	FP-06830-54	1000	
			FP-06830-78	100	
5½" (14.0 cm)	1¼" (3.2 cm)	Black	FP-06830-30	1000	
			FP-06830-30	100	
8" (20.3 cm)	2½" (5.4 cm)	White	FP-06830-89	100	
			FP-06830-88	1000	
8" (20.3 cm)	2½" (5.4 cm)	Black	FP-06830-89	100	
			FP-06830-88	1000	
8" (20.3 cm)	2½" (5.4 cm)	Red	FP-06830-31	1000	
			FP-06830-32	1000	
8" (20.3 cm)	2½" (5.4 cm)	Blue	FP-06830-32	1000	
			FP-06830-33	1000	
8" (20.3 cm)	2½" (5.4 cm)	Green	FP-06830-33	1000	
			FP-06830-19	100	
8" (20.3 cm)	2½" (5.4 cm)	Yellow	FP-06830-19	1000	
			FP-06830-41	1000	
8" (20.3 cm)	2½" (5.4 cm)	Orange	FP-06830-41	1000	
			FP-06830-41	1000	



Solid-design nylon cable ties



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



Length	Bundle diameter	Color	Catalog number	Qty/pk	Price/pk
Standard, 50-lb tensile strength					
7½" (19.1 cm)	1¾" (4.4 cm)	White	FP-06830-43	100	
			FP-06830-56	1000	
			FP-06830-55 [†]	1000	
11" (27.9 cm)	3" (7.6 cm)	White	FP-06830-47	100	
			FP-06830-46	1000	
11" (27.9 cm)	3" (7.6 cm)	Black	FP-06830-49	100	
			FP-06830-48	1000	
15" (38.1 cm)	4" (10.2 cm)	White	FP-06830-58	100	
			FP-06830-29	100	
15" (38.1 cm)	4" (10.2 cm)	Black	FP-06830-29	100	
			FP-06830-29	100	
Heavy duty, 120-lb tensile strength					
14½" (36.8 cm)	4" (10.2 cm)	White	FP-06830-36	50	
			FP-06830-91	100	
24" (61.0 cm)	7" (17.8 cm)	White	FP-06830-38	50	
			FP-06830-38	50	
28" (71.1 cm)	8" (20.3 cm)	White	FP-06830-39	50	
			FP-06830-39	50	
Extra heavy duty, 175-lb tensile strength					
34" (86.4 cm)	10" (25.4 cm)	White	FP-06830-42	50	
			FP-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. Sold in packs of 1000.

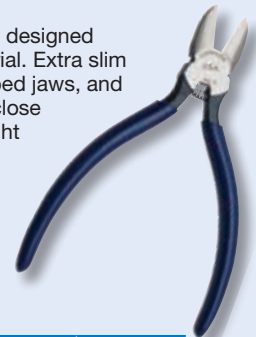


Length	Bundle dia	Tensile strength	Color	Catalog number	Price/pk of 1000
4" (10.2 cm)	¾" (1.9 cm)	11 lb	Natural	FP-06830-85	
8" (20.3 cm)	1¾" (4.4 cm)	25 lb	Black	FP-06830-95	

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	FP-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



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
Carboys with shoulder handles				
10 (2½)	83B	FP-06031-32	1	
15 (4)	83B	FP-06031-42		
20 (5)	83B	FP-06031-52		
25 (6½)	83B	FP-06031-62		
50 (13)	83B	FP-06031-72		
Wide-mouth carboys with shoulder handles				
10 (2½)	100 mm	FP-06056-22	1	
15 (4)	100 mm	FP-06056-32		
20 (5)	100 mm	FP-06056-52		
Carboy with spigot and shoulder handles				
4 (1)	38-430	FP-06065-10	1	
10 (2½)	83B	FP-06065-22		
20 (5)	83B	FP-06065-32		
25 (6½)	83B	FP-06065-52		
50 (13)	83B	FP-06065-62		
Carboys with ½" OD tubulation and shoulder handles				
10 (2½)	83B	FP-06080-42	1	
20 (5¼)	83B	FP-06080-52		

Accessories

- [FP-06258-30](#) Replacement cap, PP, 83B. Pack of 2
- [FP-63000-16](#) Replacement cap, PP, 100 mm. Pack of 12
- [FP-63000-18](#) Replacement cap, PP, 38-430. Pack of 12
- [FP-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



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

Liters (gallons)	Cap size	Catalog number	Qty/pk	Price/pk
Heavy-duty carboys with shoulder handle				
5 (1¼)	45 mm	FP-62507-00	1	
10 (2½)	90 mm	FP-62507-10	1	
20 (5¼)	90 mm	FP-62507-20	1	
Heavy-duty carboys with shoulder handle and spigot				
5 (1¼)	45 mm	FP-62507-05	1	
10 (2½)	90 mm	FP-62507-15	1	
20 (5¼)	90 mm	FP-62507-25	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	FP-06063-12	1	
20 (5)	83B	FP-06063-22		
50 (13)	83B	FP-06063-32		
FDA-compliant carboys with spigot, USP Class VI				
10 (2½)	83B	FP-06064-50	1	
20 (5)	83B	FP-06064-60		
50 (13)	83B	FP-06064-70		

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



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

Accessories _____

[FP-06031-88](#) HDPE faucet, ¾"

Thermo Scientific™ Nalgene™ Vacuum Carboys with Handles, PP

Withstand vacuum for up to eight hours

- Save money compared to stainless steel and fiberglass-reinforced containers
- No leaks with polypropylene leakproof 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
10 (2½)	83B	FP-06257-50	1	
20 (5)		FP-06257-60		

Accessories _____

[FP-06258-30](#) Replacement cap; PP, 83B. Pack of 2

Thermo Scientific™ Nalgene™ Rectangular Carboys, HDPE

Don't waste valuable bench space

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



Carboys with quick-action spigots accept 5/8" 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	FP-06032-20	1	
20 (5)	100 mm	FP-06032-50	1	
Rectangular carboys with spigot				
9 (2)	100 mm	FP-06066-20	1	
20 (5)	100 mm	FP-06066-50	1	
Rectangular carboys with tubulation				
20 (5)	100 mm	FP-06082-50	1	

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	FP-06069-10	1	
10 (2½)		FP-06069-20		
13 (3½)		FP-06069-25		
20 (5)		FP-06069-30		

[FP-63000-20](#) Replacement cap; PP, 53B. Pack of 12

Search

For our complete line of carboys, go to...
ColeParmer.ca/Carboy

Labconco® Specialty Laboratory Carts

No more wimpy carts—lifetime warranty guarantees long life

Watertight Pan Cart

- Contain spills with 18-gauge steel pans and 2" (5.1 cm) H sidewalls
- Prevent items from sliding with removable rubber mats



Capacity lb (kg)	Dimensions (L x W x H)		Catalog number	Price
	in.	cm		
400 (181)	34 $\frac{7}{8}$ x 19 x 36 $\frac{3}{8}$	89 x 48 x 92	FP-09389-00	

Chemical Cart

- Withstand occasional spills of acids and caustics
- Laminate shelves resist chemicals, heat, and stains



Capacity lb (kg)	Dimensions (L x W x H)		Catalog number	Price
	in.	cm		
400 (181)	34 $\frac{7}{8}$ x 19 x 36 $\frac{3}{8}$	89 x 48 x 92	FP-09374-00	

Flexi-Bin Carts

- Secure and protect fragile items for transport in removable, corrosive-resistant polyethylene bin
- Durable epoxy-coated steel frame, molded plastic handle grips, and two locking casters



Capacity lb (kg)	Dimensions (L x W x H)		Catalog number	Price
	in.	cm		
400 (181)	34 $\frac{7}{8}$ x 19 x 36 $\frac{3}{8}$	89 x 48 x 92	FP-09380-02	

FP-09380-04 Replacement bin,
22 $\frac{1}{4}$ "W x 17"H x 10"D (57 x 43 x 25 cm)

Glassware Cart

- Ideal for washing and drying labware—drip pan catches liquid and has plastic-coated shelves
- Customize with large or small replacement baskets



No. of baskets held	Dimensions (L x W x H)		Catalog number	Price
	in.	cm		
2 large	34 $\frac{7}{8}$ x 19 x 36 $\frac{3}{8}$	89 x 48 x 92	FP-09378-00	
4 small			FP-09382-00	

FP-09380-00 Large replacement basket,
32"L x 18"W x 4"H (81 x 46 x 10 cm)

FP-09384-00 Small replacement basket,
16"L x 18"W x 4"H (41 x 46 x 10 cm)

Stainless Steel General-Purpose Carts

Move more items safely

- Optional guard rails keep items securely on the shelves
- All carts have swivel casters except 00946-12 which has two fixed and two swivel casters

Carts 00946-07 and -09 have 22-gauge steel shelves and 20-gauge steel legs; all other carts have 20-gauge steel shelves and 16-gauge steel legs.



00946-07

Shelf area (L x W)	No. of shelves	Capacity lb (kg)	Dimensions (L x W x H)	Catalog number	Price
General-purpose carts with guard rails					
24" x 15 $\frac{1}{2}$ " (61.0 x 39.4 cm)	3	200 (91)	27 $\frac{3}{8}$ " x 16 $\frac{1}{4}$ " x 33 $\frac{1}{4}$ " (69.5 x 42.2 x 84.4 cm)	FP-00946-07	
27" x 18" (68.5 x 45.7 cm)	3	400 (181)	31 $\frac{1}{4}$ " x 19 $\frac{1}{4}$ " x 33 $\frac{3}{4}$ " (79.3 x 48.9 x 85.7 cm)	FP-00946-08	
General-purpose carts without guard rails					
24" x 15 $\frac{1}{2}$ " (61.0 x 39.4 cm)	3	200 (91)	27 $\frac{3}{4}$ " x 16 $\frac{1}{4}$ " x 31 $\frac{1}{8}$ " (70.5 x 41.3 x 80.9 cm)	FP-00946-09	
27" x 18" (68.5 x 45.7 cm)	3	400 (181)	31 $\frac{1}{4}$ " x 19" x 33 $\frac{1}{4}$ " (79.3 x 48.3 x 84.4 cm)	FP-00946-10	
35" x 21" (88.9 x 53.3 cm)	3	400 (181)	39" x 22 $\frac{1}{2}$ " x 37 $\frac{1}{2}$ " (99 x 57.2 x 95.2 cm)	FP-00946-11	
49" x 21" (124.4 x 53.3 cm)	3	400 (181)	54" x 22 $\frac{1}{2}$ " x 37 $\frac{1}{2}$ " (137 x 57.2 x 95.2 cm)	FP-00946-12	

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



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

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)	FP-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)	FP-08057-10	
6" x 6" (15.2 x 15.2 cm)	9¾" (24.8 cm)	3" (7.6 cm)	132 lb (60 kg)	FP-08057-20	
8" x 8" (20.3 x 20.3 cm)	13" (33.0 cm)	3½" (8.9 cm)	176 lb (80 kg)	FP-08057-30	
10" x 10" (25.4 x 25.4 cm)	13" (33.0 cm)	3½" (8.9 cm)	198 lb (90 kg)	FP-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)	FP-08057-12	
4" x 4" (10.2 x 10.2 cm)	5" (12.7 cm)	2½" (6.4 cm)	30 lb (13.6 kg)	FP-08057-14	
6" x 6" (15.2 x 15.2 cm)	9¾" (24.8 cm)	3" (7.6 cm)	35 lb (15.8 kg)	FP-08057-16	
8" x 8" (20.3 x 20.3 cm)	13" (33.0 cm)	3½" (8.9 cm)	55 lb (25.0 kg)	FP-08057-18	
10" x 10" (25.4 x 25.4 cm)	13" (33.0 cm)	3½" (8.9 cm)	80 lb (36.3 kg)	FP-08057-22	
12" x 12" (30.5 x 30.5 cm)	19½" (49.5 cm)	4" (10.2 cm)	150 lb (68.0 kg)	FP-08057-24	
16" x 16" (40.6 x 40.6 cm)	19½" (49.5 cm)	4" (10.2 cm)	180 lb (81.6 kg)	FP-08057-26	

[FP-08057-50](#) Ratchet tool adds extra leverage to models 08057-24 and -26

[FP-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 alkalis 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	FP-06839-90	
12	Violet		FP-06839-95	
14	Yellow		FP-06840-05	
19	Blue	12	FP-06840-10	
24	Green		FP-06840-15	
29	Red		FP-06840-20	
34	Orange	12	FP-06840-25	
40	Yellow		FP-06840-30	
45	Brown		FP-06840-35	

[FP-06840-00](#) Standard taper clip assortment pack. Six each of sizes 14, 19, 24, and 29 (24 total)

[FP-06840-50](#) Standard taper clip assortment pack. Three each of all nine sizes in table above (27 total)

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

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—withstanding temperatures to 932°F (500°C).



Joint size no.	Qty/pk	Cat. no.	Price/pk
14	6	FP-06836-05	
19		FP-06836-10	
24		FP-06836-15	
29		FP-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 alkalis and dilute acids (not resistant to halogen gases or concentrated acids).



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

Cole-Parmer® Utility Clamps

Don't let samples tip over



- 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. 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)	FP-08021-42	
		0 to 3.62" (0 to 9.2 cm)	9.02" (22.9 cm)	FP-08021-44	
Dual adjustment	Nickel-plated zinc	0 to 2.95" (0 to 7.5 cm)	9.02" (22.9 cm)	FP-08021-46	
		0 to 3.74" (0 to 9.5 cm)	9.76" (24.8 cm)	FP-08021-48	
Dual adjustment	Stainless steel	0 to 2.95" (0 to 7.5 cm)	9.02" (22.9 cm)	FP-08129-71	
		0 to 3.74" (0 to 9.5 cm)	9.76" (24.8 cm)	FP-08129-88	

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)	FP-08021-22	
		0 to 2.8" (0 to 7.1 cm)	8.58" (21.8 cm)	FP-08021-24	
		0 to 4.25" (0 to 10.8 cm)	9.76" (24.8 cm)	FP-08021-26	
Dual adjustment	Nickel-plated zinc	0 to 1.81" (0 to 4.6 cm)	6.61" (16.8 cm)	FP-08021-32	
		0 to 2.72" (0 to 6.9 cm)	9.02" (22.9 cm)	FP-08021-34	
			16" (40.6 cm)	FP-08021-35	
		0 to 4.13" (0 to 10.5 cm)	10.75" (27.3 cm)	FP-08021-36	
Dual adjustment	Stainless steel	0 to 1.9" (0 to 4.8 cm)	6.77" (17.2 cm)	FP-08021-52	
		0 to 2.72" (0 to 6.9 cm)	9.02" (22.9 cm)	FP-08021-54	
		0 to 4" (0 to 10.2 cm)	10.75" (27.3 cm)	FP-08021-56	

C. Closed-Yoke, Three-Prong Extension Clamps

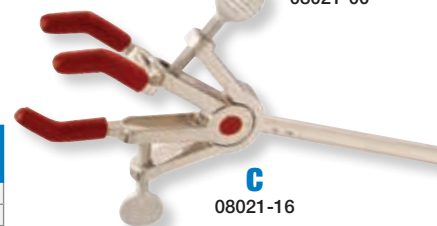
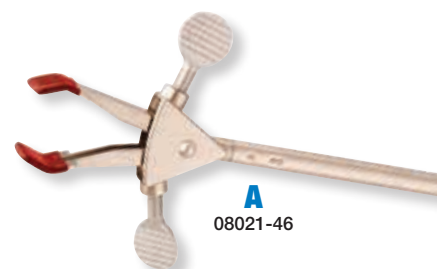
- Closed-yoke design allows use of clamp's full depth—no springs or internal workings to get in the way—and it's easier to clean and decontaminate

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)	FP-08021-04	
		0 to 1.97" (0 to 5.0 cm)	9.02" (22.9 cm)	FP-08021-02	
		0 to 2.83" (0 to 7.2 cm)	10.24" (26.0 cm)	FP-08021-00	
Dual adjustment	Nickel-plated zinc	0 to 1.26" (0 to 3.2 cm)	5.98" (15.2 cm)	FP-08021-12	
		0 to 2.76" (0 to 7.0 cm)	8.74" (22.2 cm)	FP-08021-14	
		0 to 4.06" (0 to 10.3 cm)	10.24" (26.0 cm)	FP-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"	5.24"	FP-08022-00	
	Stainless steel	(0 to 7.7 cm)	(13.3 cm)	FP-08129-96	
Three-prong, dual adjustment	Nickel-plated zinc	0 to 2.72"	5.75"	FP-08022-02	
	Stainless steel	(0 to 6.9 cm)	(14.6 cm)	FP-08129-95	



Cole-Parmer® Cleaning Products

Easily clean glass, metal, plastic, rubber, and other hard 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



Cleaner	Type	Cleaning applications	Dilution	pH	Packaging	Cat. no.	Price/ea	Cat. no.	Qty/cs	Price/cs
Micro-90®	Ionic, nonionic, USDA authorized	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)	FP-18100-05	—	FP-18100-04	12	—
					1 gal. (4 L)	—	FP-18100-11	4	—	
					5 gal. (18.9 L)	—	FP-18100-20	1	—	
					55-gal. drum (208 L)	FP-18100-30	—	—	—	
Zymit®	Enzymatic, USDA authorized	Machine, manual, or ultrasonic; dissolves protein and starch-based soils; may use for delicate materials	1:100	7.5	0.26 gal. (1 L)	FP-18101-30	—	FP-18101-20	12	—
LF2100™	Low-sudsing, anionic, nonionic, amphoteric, USDA authorized	Automatic washers, high-pressure and high agitation applications†	1:100	9.7	0.26 gal. (1 L)	FP-18102-00	—	FP-18102-10	12	—
					5.3 gal. (20 L)	FP-18102-30	—	—	—	
Surface-Cleanse/930®	Nonionic, USDA authorized	Cleans grease, petroleum, oils from glass, aluminum, lead, zinc, and plastic without surface damage	1:200	7.0	0.26 gal. (1 L)	FP-18103-00	—	FP-18103-10	12	—
					5.3 gal. (20 L)	FP-18103-30	—	—	—	
Micro-A07®	Citric acid, nonionic, USDA authorized	Removes millstone, 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)	FP-18104-00	—	FP-18104-01	12	—
					5.3 gal. (20 L)	FP-18104-30	—	—	—	

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

Cole-Parmer® Clean-Wipes™

Won't scratch delicate surfaces

- No residual lint—made of strong, nonwoven cellulose and polyester
- No more struggling with solutions and separate towels—ready to use
- Individually sealed containers for use in cleanrooms

Choose wipes that are premoistened or dry. Convert dry wipes to moistened wipes by adding 8 oz of fluid to container.

Description	Wipe size	Packaging	Catalog number	Price
Premoistened with 70% isopropyl alcohol and 30% deionized water	6" x 9" (15.2 x 22.9 cm)	Canister of 100	FP-33675-03	—
Premoistened with 100% deionized water			FP-33675-05	—
Dry			FP-33675-07	—



Kimberly-Clark® WetTask® Refillable Wiping System

Save money—fill with your own solution!

- Load wipes, add solution, and pull through lid
- Take them where you need them with convenient carrying handle

Tub is made of high-density polyethylene. Order tub and wipes separately.

Packaging	Qty/cs	Catalog number	Price/cs
Dispensing tub, 1½ gallons	2	FP-33670-50	—

Wipe size	Qty/roll	Catalog number	Price/cs of 6 rolls
Wipe refills, 12" x 12½" (30.5 x 31.8 cm)	60	FP-33670-51	—
	90	FP-33670-53	—

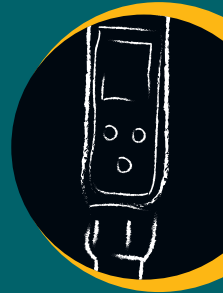


Oakton® Meters for Any Application



Testers— simply dip and read

- Conductivity 28
- pH 51



Handheld Meters— take it where you need it

- Conductivity Online
- pH 52–53
- Dissolved Oxygen Online
- Multiparameter 53



Benchtop Meters— higher precision for more accurate results

- Conductivity Online
- pH/Ion Online
- Dissolved Oxygen Online
- Multiparameter Online



MORE ONLINE ▶ ColeParmer.ca/Oakton

Product Selection | Troubleshooting | And More...

800-363-5900
— or Ch@t Live —

Not sure what to choose?
Our expert Application Specialists can help you find the
right product for your application.



Oakton® Waterproof Multiparameter Testr™ 35-Series Pocket Meters

Save time and money—just like three meters in one!

- Parameters include pH, conductivity, TDS, salinity, and temperature
- Compatible with a wide range of samples with long-life pH electrode and stainless steel pin-style conductivity sensor
- Save money by replacing 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.



Model	PCTestr 35	PTTestr 35	PCSTestr 35
Catalog number	FP-35425-00	FP-35425-05	FP-35425-10
Range	pH	0 to 14.0	0.00 to 14.00
	Conductivity	0 to 2000 µS/cm; 2.00 to 20.00 mS/cm	—
	TDS	—	0 to 1000 ppm; 1.00 to 10.00 ppt
	Salinity	—	—
	Temperature	32 to 112°F (0 to 50.0°C)	32 to 112°F (0 to 50.0°C)
Resolution	pH	0.1	0.01
	Conductivity	0.1 µS/cm; 0.01 mS/cm	—
	TDS	—	1 ppm; 0.01 ppt
	Salinity	—	—
	Temperature	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	pH	±0.1	±0.01
	Conductivity	1% full scale	—
	TDS	—	1% full-scale
	Salinity	—	—
	Temperature	±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			

[FP-35425-50](#) Replacement pH/conductivity/TDS/salinity sensor module

[FP-09377-16](#) Replacement batteries, 1.5 V button cell. Pack of 6

[FP-17101-45](#) NIST-traceable calibration for pH pocket meters (non-BNC)

[FP-17090-30](#) NIST-traceable calibration for conductivity meters

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



Description	TDSTestr 11 Dual Range	ECTestr 11 Dual Range
Catalog number	FP-35662-10	FP-35662-30
Range	Conductivity	0 to 2000 ppm; 0 to 10.0 ppt
	Temperature	32 to 122°F (0 to 50°C)
Resolution	Conductivity	10 ppm; 0.10 ppt
	Temperature	0.1°F (0.1°C)
Accuracy	Conductivity	±1% full scale
	Temperature	±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 alkaline batteries (included), approximately 150 hours continuous use	
Price		

Accessories

[FP-35661-17](#) Replacement sensor for pin-style testers

[FP-09377-16](#) Replacement batteries, 1.5 V button cell. Pack of 6

[FP-35661-70](#) Calibration kit, includes two each of TDS calibration solution pouches (447, 1413, 2764, and 15,000 µS), two rinse water pouches, sample jar, and foam-lined carrying case. Use with any Oakton TDS/ECTestr meter

[FP-17090-30](#) NIST-traceable calibration for conductivity meter



Replaceable sensor





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

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

A



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

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



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

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

Oakton® Calibration Solutions

Save money while calibrating

- KCl, NaCl, and 442 conversions printed right on the bottle
- Temperature corrections at hand—printed right on the bottle

Include NIST-traceable calibration report supplied by the manufacturer. One 17-oz (500-mL) bottle.



Conductivity (µS)	Conductivity-to-TDS calibration values			Catalog number	Price
	ppm KCl	ppm NaCl	ppm 442		
23	11.6	10.7	14.74	FP-00653-23	
84	40.38	38.04	50.5	FP-00653-16	
447	226	215	300	FP-00653-47	
1413	745	702	1000	FP-00653-18	
1500	757	737	1050	FP-00653-15	
2070	1045	1041	1500	FP-00653-27	
2764	1382	1414	2062	FP-00653-20	
8974	5101	4487	7608	FP-00653-89	
12,880	7447	7230	11,367	FP-00606-10	
15,000	8759	8532	13,455	FP-00653-50	
80,000	52,168	48,384	79,688	FP-00653-32	

MYRON L Calibration Solutions

Be more accurate

- Get reliable readings with ±1% accuracy
- Include conversions for quick reference

Include NIST-traceable calibration report supplied by the manufacturer. One 32-oz (946-mL) bottle.



Conductivity (µS)	Conductivity-to-TDS calibration values			Catalog number	Price
	ppm KCl	ppm NaCl	ppm 442		
23.8	—	11.08	15	FP-01489-90	
46.7	—	21.8	30	FP-01489-91	
70	—	32.8	45	FP-01489-92	
445	—	214	300	FP-01489-93	
700	—	340	478	FP-01489-94	
2060	—	1036	1500	FP-01489-95	
3900	—	2027	3000	FP-01489-96	
7000	—	3740	5687	FP-01489-97	
16,630	—	9462	15,000	FP-01489-98	
30,100	—	18,235	30,000	FP-01489-99	

Conductivity

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



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

Graduated Sample Containers, PP

Leakproof for better sampling

- Easier sampling—graduated for measuring directly
- Durable design—translucent, unbreakable, and chemical resistant
- Sterile containers are individually wrapped



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- 10% off on 6 to 29 packs or cases

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

DON'T RISK IT!

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



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



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- 15% off on 30 to 119
- 10% off on 6 to 29 packs or cases



Capacity L (qt)	Dimensions (H x OD)		Catalog number	Qty/pk	Price/pk
	in.	cm			
2 (2)	4½ x 7	11.4 x 17.8	FP-63530-00	12	
4 (4)	7½ x 7	19.1 x 17.8	FP-63530-02		
6 (6)	8 x 8¼	20.3 x 22.2	FP-63530-04		
8 (8)	10 x 8¾	25.4 x 22.2	FP-63530-06	12	
12 (12)	12 x 10	30.5 x 25.4	FP-63530-08		
16 (16)	9½ x 12	24.1 x 30.5	FP-63530-10		
20 (20)	13½ x 12	34.3 x 30.5	FP-63530-12	6	
24 (24)	15 x 12	38.1 x 30.5	FP-63530-14		
32 (32)	12 x 15½	30.5 x 39.4	FP-63530-16		
40 (40)	15½ x 15½	39.4 x 39.4	FP-63530-18		

Snap-tight, positive-lock lids

For 2- and 4-L containers	FP-63530-50	12	
For 6- and 8-L containers	FP-63530-51		
For 12-L container	FP-63530-52		
For 16-, 20-, 24-L containers	FP-63530-53	6	
For 32- and 40-L containers	FP-63530-54		

Collapsible Containers, LDPE

Easily expand when filled to save space

- 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 (gal.)	Cap size	Catalog number	Qty/pk	Price/pk
1 (¼)	38 mm	FP-06100-10	12	
4 (1)		FP-06100-20		
10 (2½)		FP-06100-30		
19 (5)		FP-06100-40	10	



Rubbermaid® Storage Containers with Handles, HDPE and PP

No more difficult lifting

Lids sold separately

- Easy-lifting grip handles, 22-qt containers have removable handles
- Keep track of contents with “date-content” label area
- Feature graduations in quarts and liters and optional tight fitting lids
- Resist temperatures from –40 to 150°F (–40 to 66°C)
- Dishwasher safe, NSF certified



63512-13

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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 (qt)	Dimensions (H x OD)		Catalog number	Qty/pk	Price/pk
	in.	cm			
White high-density polyethylene (HDPE) containers					
2 (2)	4 x 8½	10.2 x 21.6	FP-63511-01	12	
4 (4)	7¼ x 8½	19.7 x 21.6	FP-63511-03		
6 (6)	7¾ x 10	19.4 x 25.4	FP-63511-05	12	
8 (8)	10½ x 10	27.0 x 25.4	FP-63511-07		
12 (12)	8½ x 13½	20.6 x 33.3	FP-63511-09	6	
18 (18)	11½ x 13½	30.2 x 33.3	FP-63511-11		
22 (22)	14 x 13½	35.6 x 33.3	FP-63511-13		
Clear polypropylene (PP) containers					
2 (2)	4 x 8½	10.2 x 21.6	FP-63512-01	12	
4 (4)	7¼ x 8½	19.7 x 21.6	FP-63512-03		
6 (6)	7¾ x 10	19.4 x 25.4	FP-63512-05	12	
8 (8)	10½ x 10	27.0 x 25.4	FP-63512-07		
12 (12)	8½ x 13½	20.6 x 33.3	FP-63512-09	6	
18 (18)	11½ x 13½	30.2 x 33.3	FP-63512-11		
22 (22)	14 x 13½	35.6 x 33.3	FP-63512-13		
Yellow low-density polyethylene (LDPE) lids					
For 2- and 4-L containers			FP-63511-53	12	
For 6- and 8-L containers			FP-63511-54	12	
For 12-, 18-, 22-L containers			FP-63511-55	6	

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



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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 (H x OD)		Catalog number	Qty/pk	Price/pk
	in.	cm			
7.5 (¼)	5/8 x 1½	1.6 x 3.8	FP-66098-00	2500	
15 (½)	¾ x 1½	1.9 x 3.8	FP-66098-10	2000	
22.5 (¾)	1 x 1½	2.5 x 3.8	FP-66098-20	1500	
30 (1)	1½ x 1½	3.8 x 3.8	FP-66098-30	1300	
60 (2)	1¾ x 2	4.1 x 5.1	FP-66098-40	750	
120 (4)	3¾ x 2	8.1 x 5.1	FP-66098-50	300	

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

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



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
30 (1)	43 mm	FP-06101-11	12	
60 (2)	53 mm	FP-06101-21		
120 (4)	70 mm	FP-06101-31		
240 (8)	89 mm	FP-06101-40	6	
480 (16)	89 mm	FP-06101-50		
960 (32)	120 mm	FP-06101-60		
1190 (40)	120 mm	FP-06101-70		

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)	32¾ x 15¾ x 12¼	82.2 x 39.1 x 31.1	FP-06745-20	
106 (28)	26¾ x 20½ x 16¾	67.9 x 52.1 x 42.5	FP-06745-40	
204 (54)	35½ x 26 x 20¼	90.2 x 66.0 x 51.4	FP-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

- [FP-60104-02 HDPE bag](#), 24" x 33" (61 x 84 cm)
- [FP-60104-04 HDPE bag](#), 30" x 37" (76 x 94 cm)
- [FP-60104-06 HDPE bag](#), 33" x 40" (84 x 102 cm)

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

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

Description	Compliance	Wipe size	Qty/bx	Box/cs	Cat. no.	Price/cs*
Delicate task wipes						
Kimwipes® EX-L, 1 ply	—	4 1/2" x 8 1/2"	280	60	FP-33670-04	
		15" x 16 3/4"	140	15	FP-33670-06	
Kaydry® EX-L, 2 ply	—	15" x 16 3/4"	90	15	FP-33670-10	
Cleanroom wipes						
Kimtech CL4 cleanroom	ISO Class 4	12" x 12"	100	5	FP-33670-20	

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



TEXWIPE® Low-Particulate Cleanroom Wipes

More durable, absorbent, and softer than paper wipes

AlphaWipe® Wipes are made of 100% continuous filament double-knit polyester—use in integrated circuit fabrication facilities, and to clean optical and photomask surfaces.

Alpha 10® Wipes have polyester sealed edges.

TechniCloth® Wipes have great solvent compatibility. Use for wiping up aqueous spills and cleaning precision laboratory components.

TechniCloth II® Wipes feature ultralow particulate treatment, resulting in lower particle generation. Made of nonwoven cellulose and polyester blend.

TexWipe® 200 Wipes are excellent for cleaning and polishing metallic and nonmetallic magnetic media disk surfaces. Made of double-sided twill pattern cotton.

BetaWipe® Wipe has high sorption and is resistant to strong acids. Soft surface texture makes it ideal for cleaning sensitive surfaces.

Vectra® Alpha® Nu Wipe features low particle counts and excellent absorbency.

ThermaSeal® 60 Wipe is hot-cut polyester with thermally sealed edges for fiber control.

VersaWipe® Wipes are constructed of a fiber blend of 55% cellulose and 45% polyester, which combines excellent wet and dry strength with high absorbency. Autoclavable.



Description	Compliance	Wipe size	Qty/bg	Catalog number	Price/bg†
AlphaWipe	ISO Class 5	9" x 9" (23 x 23 cm)	150	FP-33677-00	
		9" x 9" (23 x 23 cm)	150‡	FP-33677-01	
		12" x 12" (31 x 31 cm)	75	FP-33677-23	
Alpha 10	ISO Class 3	12" x 12" (31 x 31 cm)	100	FP-33677-18	
TechniCloth	ISO Class 6	9" x 9" (23 x 23 cm)	150	FP-33677-03	
		12" x 12" (31 x 31 cm)	150	FP-33677-02	
TechniCloth II	ISO Class 6	18" x 18" (46 x 46 cm)	75	FP-33677-14	
TexWipe 200	ISO Class 7	4" x 4" (10 x 10 cm)	1200	FP-33677-04	
		9" x 9" (23 x 23 cm)	300	FP-33677-06	
BetaWipe	ISO Class 7	9" x 9" (23 x 23 cm)	100	FP-33677-22	
Vectra Alpha Nu	ISO Class 1	9" x 9" (23 x 23 cm)	150	FP-33677-05	
ThermaSeal 60	ISO Class 3	9" x 9" (23 x 23 cm)	150	FP-33677-08	
VersaWipe	ISO Class 7	9" x 9" (23 x 23 cm)	300	FP-33677-21	

†Discounts: Save 10% on 10–49 bags and 15% on 50+ bags.
‡Bulk pack.

Texwrite™ Cleanroom Paper, Notebooks, and Notepads

Don't contaminate work space

Cleanroom Paper is made without organic fillers to substantially reduce the risk of particle generation and contamination. Paper has excellent strength and heat resistance for use in copy machines and laser printers. Sheets measure 8½" x 11". Select from 22 or 18 weight paper.

Compliance: ISO Class 5



Description	Weight	Sheets/cs	Catalog number	Price/cs
Blue	22	2500	FP-33678-00	
Blue	18		FP-33678-06	
White	22		FP-33678-01	
Yellow	22		FP-33678-03	
Green	22		FP-33678-04	

Cleanroom Notebooks are an economical choice for note taking and data recording in your cleanroom. Notebooks feature a high-density polyethylene cover, plastic spirals, and durable cleanroom paper. Pages are printed with low sodium ink to reduce contamination.

Compliance: ISO Class 4

Size	Description	Qty/bx	Cat. no.	Price/bx
8½" x 11" (21.6 x 27.9 cm)	College ruled	10	FP-33678-21	
5½" x 8½" (14 x 21.6 cm)	College ruled		FP-33678-23	

Cleanroom Self-Adhesive Notepads are ideal for adding notes to documents and equipment in your cleanroom without the risk of contamination. They feature a low-residue, temporary adhesive strip for easy attachment and removal. Packaged 72 sheets/pad.

Compliance: ISO Class 4

Size	Description	Qty/bx	Cat. no.	Price/bx
3" x 4" (7.6 x 10.2 cm)	Self-adhesive	10	FP-33678-30	

CONTEC® Prewetted Cleanroom Wipes

Ready-to-use prewetted wipes

- Low sodium reduces ionic contamination
- Easy dispensing through center-pull canister
- Wipes are 6" x 9" 100% nonwoven polyester



Case includes twelve rolls of 100 wipes and canister.

Description	Compliance	Rolls/cs	Catalog number	Price/cs
30% DI water/70% IPA	ISO Class 5	12	FP-33675-02	
100% acetone			FP-33675-08	

Controlled Environment

Cole-Parmer® Crucibles, Quartz

Won't crack under extreme conditions

- Get low expansion, excellent dimensional stability, and thermal shock resistance
- Withstand temperatures up to 1922°F (1050°C)
- Crucible and lid sold separately

NEW

Covers sold separately



Capacity (mL)	Top outside dia (mm)	Height (mm)	Crucibles		Covers	
			Catalog number	Price/ea	Catalog number	Price/ea
15	41	25	FP-34526-30		FP-34528-30	
25	47	28	FP-34526-32		FP-34528-32	
50	57	37	FP-34526-34		FP-34528-34	
80	67	45	FP-34526-36		FP-34528-36	
100	70	48	FP-34526-38		FP-34528-38	
150	82	51	FP-34526-40		FP-34528-40	

Crucibles and Lids, Platinum

Don't oxidize with acids or salts

- Withstands temperatures to 2192°F (1700°C)

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

Lids sold separately



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

†Platinum pricing may fluctuate with platinum market.

Cole-Parmer® High-Form Crucibles and Lids, Nickel

Get more strength—seamless

- Constructed from one piece of 24 gauge (0.025") nickel
- Polished inside and out
- Withstand temperatures to 1472°F (800°C)

Capacity (mL)	Top outside dia (mm)	Bottom outside dia (mm)	Height (mm)	Crucibles		Covers	
				Catalog number	Price/ea	Catalog number	Price/ea
15	31	26	31	FP-07281-50		FP-07281-60	
25	35	28	35	FP-07281-52		FP-07281-62	
50	45	34	45	FP-07281-54		FP-07281-64	
100	56	47	56	FP-07281-56		FP-07281-66	

Covers sold separately



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	FP-34526-50	
Crucible only			FP-34526-52	

FP-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)	FP-06443-50	



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



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	FP-06137-70		FP-06137-50	
25	0.5	FP-06137-72		FP-06137-52	
50	1.0	FP-06137-74		FP-06137-54	
100	1.0	FP-06137-76		FP-06137-56	
250	2.0	FP-06137-78		FP-06137-58	
500	5.0	FP-06137-80		FP-06137-60	
1000	10.0	FP-06137-82		FP-06137-62	
2000	20.0	FP-06137-84		FP-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	FP-06135-10		FP-06134-10	
50	1.0	±0.50	FP-06135-30		FP-06134-30	
100	1.0	±1.00	FP-06135-40		FP-06134-40	
500	5.0	±4.00	FP-06135-60		FP-06134-60	
1000	10.0	±6.00	FP-06135-70		FP-06134-70	
4000	50.0	±29.00	FP-06135-90		FP-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	FP-06135-12	1	
50	1.0	±0.40	FP-06135-32	1	
100	1.0	±0.60	FP-06135-42	1	
500	5.0	±2.6	FP-06135-62	1	
1000	10.0	±5.0	FP-06135-72	1	
Polymethylpentene (PMP) cylinders					
25	0.5	±0.30	FP-06134-25	1	
50	1.0	±0.40	FP-06134-35	1	
100	1.0	±0.60	FP-06134-45	1	
250	2.0	±1.4	FP-06134-55	1	
500	5.0	±2.6	FP-06134-65	1	
1000	10.0	±5.0	FP-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



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	FP-06134-61	2	
		FP-06134-62	24	
25	0.5	FP-06134-63	2	
		FP-06134-64	12	
50	1.0	FP-06134-67	2	
		FP-06134-66	12	
100	1.0	FP-06134-69	2	
		FP-06134-68	12	
250	2.0	FP-06134-71	1	
		FP-06134-72	6	
500	5.0	FP-06134-73	1	
		FP-06134-74	4	
1000	10.0	FP-06134-77	1	
		FP-06134-76	3	
2000	20.0	FP-06134-79	1	
		FP-06137-78	2	
Starter set contains one each of 10 mL, 25 mL, 50 mL, 100 mL, 250 mL, 500 mL, and 1000 mL			FP-63100-24	7

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.



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	FP-34300-17	1		—	1	—
25	0.2	±0.17	FP-34300-19			FP-34300-20		
50	1	±0.25	FP-34300-21			FP-34300-22		
100	1	±0.40	FP-34300-23			FP-34300-24		
250	2	±0.80	FP-34300-25	1		FP-34300-26	1	FP-34300-28
500	5	±1.30	FP-34300-27			FP-34300-29		
1000	10	±3.0	FP-34300-29			FP-34300-30		
2000	20	±5.0	FP-34300-31			FP-34300-32		
Cylinders calibrated "To Deliver"								
10	0.1	±0.10	FP-34300-01	1		—	1	—
25	0.2	±0.17	FP-34300-03			FP-34300-04		
50	1	±0.25	FP-34300-05			FP-34300-06		
100	1	±0.40	FP-34300-07			FP-34300-08		
250	2	±0.80	FP-34300-09	1		FP-34300-10	1	FP-34300-12
500	5	±1.3	FP-34300-11			FP-34300-16		
1000	10	±3.0	FP-34300-15			FP-34300-13		
2000	20	±5.0	FP-34300-13			FP-34300-14		

Azlon® Squat-Form Graduated Cylinders, PP

Won't tip over as easily

- Get better stability with larger base
- Won't break—translucent PP design with blue graduations
- Eliminate contamination and spill rewetting with self-draining base 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 (mL)	Graduations (mL)	Tolerance (mL)	Catalog number	Qty/pk	Price/pk
100	2.0	±2.0	FP-06137-30	5	
250	5.0	±5.0	FP-06137-32	1	
500	10.0	±10.0	FP-06137-34	1	
1000	20.0	±20.0	FP-06137-36	1	

Pharmaceutical Graduates, PMP

Better resistance to heat and chemicals

- Won't shatter
- No drip, easy pouring spout
- Calibrated "to contain"/"to deliver" for better accuracies
- Meet ASTM E 1094 requirements for accuracy
- 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		Graduations		Catalog number	Qty/pk	Price/pk
mL	oz	mL	oz			
125	4	5	1	FP-06138-20	1	
250	8	25	½	FP-06138-40	1	
500	16	50	1	FP-06138-60	1	
1000	32	50	2	FP-06138-80	1	



KIMAX® Graduated Glass Cylinder Set

No need to order separate cylinders

- Get everything you need in one part number
- Get accurate measurements with calibration “to deliver”
- Contain one each of 10mL, 25mL, 50mL, 100mL, and 250mL sizes
- Guards included for 25 to 250mL cylinders



Description	Catalog number	Qty/pk	Price/pk
Graduated cylinder starter pack	FP-34547-20	5	

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	FP-34546-01		FP-34546-21	24	
25	0.2	FP-34546-02		FP-34546-22	18	
50	1.0	FP-34546-03		FP-34546-23	18	
100	1.0	FP-34546-04		FP-34546-24	12	
250	2.0	FP-34546-05		FP-34546-25	12	
500	5.0	FP-34546-06		FP-34546-26	8	
1000	10.0	—	—	FP-34546-27	1	
2000	20.0	—	—	FP-34546-28	1	

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 tt E 133 requirements.



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



Cylinders

PYREXPLUS® Brand 63024 Graduated Glass Cylinders

No more shattered glass

- Don't clean up glass again—PVC coating protects cylinders from shattering
- Resist thermal shock and occasional bumping
- Single metric scale is calibrated “to deliver”
- Autoclavable

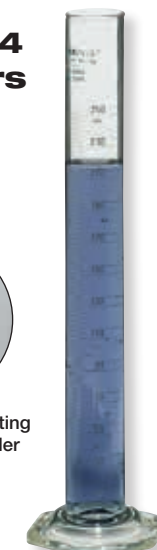


Protective PVC coating protects the cylinder from breaking

Buy More...Save More!

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

Capacity (mL)	Graduations (mL)	Tolerance (mL)	Catalog number	Price/pk	Catalog number	Qty/ cs	Price/ cs
100	1.0	±1.0	FP-34576-01		FP-34576-21	4	
250	2.0	±2.0	FP-34576-02		FP-34576-22	4	
500	5.0	±4.0	FP-34576-03		FP-34576-23	4	
1000	10.0	±6.0	FP-34576-04		FP-34576-24	4	
2000	20.0	±12.0	FP-34576-05		FP-34576-25	2	



Cole-Parmer® Drying Rack, PS

Dry more glassware



- Includes 72 v-shaped pegs to accommodate more labware
- Easy snap in peg design

Dimensions (W x H x D)		Catalog number	Price
17¾" x 24" x 3"	45.1 x 61 x 7.6 cm	FP-06045-95	

- [FP-06045-97](#) Optional test tube pegs, rounded. Bag of 11
- [FP-06045-98](#) Optional acrylic stand with mounting hardware

Rack 06045-95 shown with optional acrylic stand 06045-98



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	FP-17812-00	12		FP-17812-20	48	
70	75	30	FP-17812-02	12		FP-17812-22	48	
80	80	30	FP-17812-04	6		FP-17812-24	24	
120	94	42	FP-17812-06	6		FP-17812-26	24	
150	100	42	FP-17812-07	6		FP-17812-27	18	
250	115	45	FP-17812-08	6		FP-17812-28	18	
385	145	48	FP-17812-09	1		FP-17812-29	12	
525	162	51	FP-17812-10	1		FP-17812-30	12	
765	185	54	FP-17812-12	1		FP-17812-32	8	
1285	215	75	FP-17812-14	1		FP-17812-34	6	
2100	265	80	FP-17812-16	1		FP-17812-36	4	
3250	305	95	FP-17812-18	1		FP-17812-38	3	

PYREX® Brand 3140 Crystallizing Dishes, Glass

Reduced chipping—reinforced and fire-polished rims

- Withstand repeated sterilizations—wet or dry
- Autoclavable



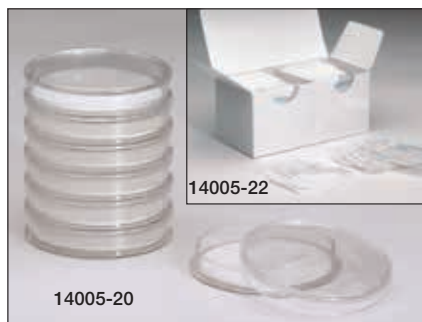
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15% off on 10+ packs or cases 10% off on 5 to 9 packs or cases

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	FP-34550-01	6		FP-34550-21	24	
180 (6)	80 x 40	FP-34550-02	6		FP-34550-22	24	
270 (9)	90 x 50	FP-34550-03	6		FP-34550-23	18	
325 (11)	100 x 50	FP-34550-04	6		FP-34550-24	18	
740 (25)	125 x 65	FP-34550-05	4		FP-34550-25	12	
1200 (30)	150 x 75	FP-34550-06	4		FP-34550-26	8	
1770 (60)	170 x 90	FP-34550-07	2		FP-34550-27	8	
2500 (85)	190 x 100	FP-34550-08	2		FP-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 that hold 1.8 to 2.0 mL of liquid media



- Ridges for easy stacking



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

[FP-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	FP-34551-01	12		FP-34551-21	72	
100 x 10	FP-34551-02	12		FP-34551-22	72	
100 x 15	FP-34551-03	12		FP-34551-23	72	
100 x 20	FP-34551-04	12		FP-34551-24	72	
150 x 15	FP-34551-05	12		FP-34551-25	24	
150 x 20	FP-34551-06	12		FP-34551-26	24	

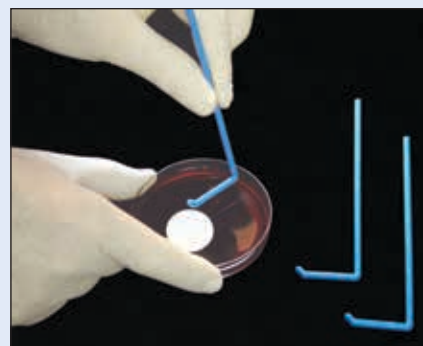
Disposable Cell Spreaders

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.



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





Advantec® Qualitative Filter Papers

Easily clarify solutions with pH up to 12

- Low ash alpha cotton cellulose—ash content of 0.1%
- Fits your range—use in pH of 0 to 12 and temperatures to 248°F (120°C)
- Packs of 100



Specifications

Grade	Nominal rating (µm)	Thickness (mm)	Weight (g/m ²)	Flow time† (sec)	Absorption speed‡ (cm)	Wet strength†† (cm H ₂ O)
No. 1	Coarse (6)	0.2	90	45	9.0	15
No. 2	Medium (5)	0.26	125	80	8.0	18
No. 231	Medium	0.18	95	130	7.5	—
No. 232	Medium / medium-fine	0.18	90	250	5.0	—
No. 235	Very fine	0.17	95	1200	4.0	—
No. 131	Medium-fine (3)	0.25	140	240	6.0	20
No. 101	Coarse / gelatinous	0.21	80	50	8.0	15

Grade	Applications	55 mm	70 mm	90 mm	110 mm	125 mm	150 mm	185 mm
No. 1	Coarse retention; retains large crystalline particles and gelatinous precipitates. Fast flow rate, smooth surface, normal hardness	FP-81048-04	FP-81048-06	FP-81048-08	FP-81048-10	FP-81048-12	FP-81048-14	FP-81048-16
No. 2	Medium retention; retains medium crystalline precipitates, fast flow rate, smooth surface, normal hardness	FP-81048-34	FP-81048-36	FP-81048-38	FP-81048-40	FP-81048-42	FP-81048-46	FP-81048-48
No. 231	Medium retention; retains crystalline precipitates, moderate flow rate, smooth surface, normal hardness	FP-81048-64	FP-81048-66	FP-81048-68	FP-81048-70	FP-81048-72	FP-81048-74	FP-81048-80
No. 232	Retains medium to medium-fine particulates, slow flow rate, smooth, normal hardness	FP-81048-84	FP-81048-86	FP-81048-88	FP-81048-90	FP-81048-92	FP-81048-94	FP-81049-90
No. 235	Highest retention efficiency, retains very fine particulates, very slow flow rate, smooth	—	FP-81050-22	FP-81050-24	FP-81050-26	FP-81050-28	FP-81050-30	FP-81050-32
No. 131	High retention efficiency for medium-fine crystalline precipitates like barium sulfate, slow flow rate, smooth surface, normal hardness	FP-81050-04	FP-81050-10	FP-81050-12	FP-81050-14	FP-81050-16	FP-81050-18	FP-81050-20
No. 101	Coarse retention; seed germination, retains large particles	FP-81050-36	FP-81050-38	FP-81050-40	FP-81050-42	FP-81050-50	FP-81050-52	FP-81050-54

Advantec® Quantitative Filter Papers

Get accurate results—virtually ashless and ultrapure

- Get pure results—quality alpha cotton cellulose papers are double acid washed and neutralized for 0.01% ash content
- Packs of 100



Specifications

Grade	Nominal rating (µm)	Thickness (mm)	Weight (g/m ²)	Flow time† (sec)	Absorption speed‡ (cm)	Wet strength†† (cm H ₂ O)
No. 3	Medium (5)	0.23	113	130	7.5	20
No. 4A	Very fine (1)	0.12	96	915	4.0	90
No. 5A	Coarse / gelatinous (7)	0.22	97	60	9.5	15
No. 5B	Medium (4)	0.21	108	195	7.0	20
No. 5C	Fine (1)	0.22	118	570	6.0	25
No. 6	Medium-fine (3)	0.2	103	300	6.0	15
No. 7	Medium (4)	0.18	87	200	7.0	12

Grade	Applications	55 mm	70 mm	90 mm	110 mm	125 mm	150 mm	185 mm
No. 3 Ashless	Medium retention (5 to 10 µm), fast flow rate analysis of soils, fertilizers, cement, and minerals	FP-81050-56	FP-81050-58	FP-81050-60	FP-81050-62	FP-81050-64	FP-81050-66	FP-81050-68
No. 4A Hardened ashless	High wet strength, suitable for use under high pressure, high chemical and pH resistance, retains fine crystalline precipitates (<5 µm), slow flow	FP-81051-90	FP-81051-92	FP-81051-94	FP-81051-96	FP-81051-98	FP-81052-00	FP-81052-02
No. 5A Ashless	Fast flow rate, retains coarse particulates and gelatinous precipitates (>10 µm); filter hydroxides and metallic aerosols, environmental monitoring, silica in steel	FP-81050-80	FP-81050-82	FP-81050-86	FP-81050-88	FP-81050-90	FP-81050-92	FP-81051-10
No. 5B Ashless	Retains medium particles (5 to 10 µm) such as CaCO ₃ , PbSO ₄ , CaCO ₃ , MnCO ₃ , ZnCO ₃ , ZnS, AgCl	FP-81051-12	FP-81051-14	FP-81051-16	FP-81051-18	FP-81051-20	FP-81051-22	FP-81051-24
No. 5C Ashless	Collect fine precipitates (<5 µm) such as SrSO ₄ , BaSO ₄ , HgCrO ₄ , and colloidal dispersions; gravimetric analysis	FP-81051-42	FP-81051-44	FP-81051-46	FP-81051-48	FP-81051-50	FP-81051-52	FP-81051-54
No. 6 Ashless	Retains medium-fine particulates (2 to 10 µm), trace and precious metals	FP-81051-56	FP-81051-58	FP-81051-60	FP-81051-62	FP-81051-70	FP-81051-72	FP-81051-74
No. 7 Ashless	Highest purity for retaining medium particles (5 to 10 µm), precise gravimetric analysis	FP-81051-76	FP-81051-78	FP-81051-80	FP-81051-82	FP-81051-84	FP-81051-86	FP-81051-88

†Flow time is the time in seconds required to filter 100 mL of distilled water at 68°F (20°C) under pressure supplied by a 10-cm water column through a 10 cm² section of filter paper.

‡Absorption speed is the distance in cm that water will travel in an upright strip of filter paper in ten minutes at 68°F (20°C).

††Wet strength is the height in cm of a water column that will rupture a 10 cm² section of filter paper.

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

Search

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

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.**

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



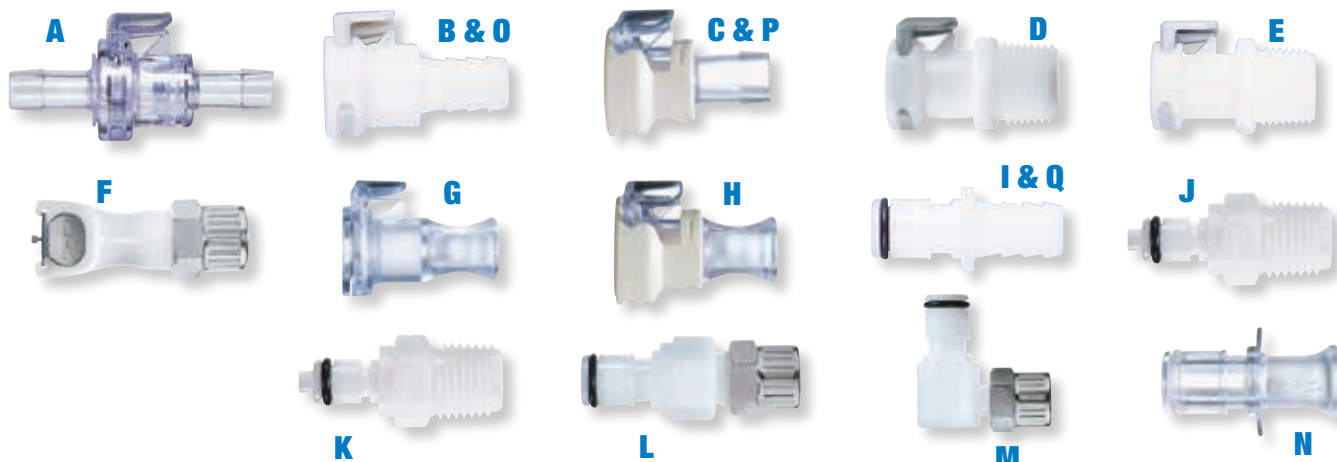
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- 10% off on 10 to 49 packs

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 1/2" polycarbonate fittings is 60 psi.



Complete Couplings

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
A	FP-06360-90	1/4" tubing ID	Acetal	—	10	
	FP-31305-00		PC	—	10	
	FP-06360-91		Acetal	—	10	
	FP-31305-05	3/8" tubing ID	PC	—	10	
	FP-31306-05		PSF	—	10	

Standard Bodies and Caps

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
B	FP-06360-94	1/4" tubing ID	Acetal	1.31" (33.3 mm)	10	
	FP-31311-11		PC		5	
	FP-31311-21		PSF		5	
	FP-06360-95	3/8" tubing ID	Acetal	1.31" (33.3 mm)	10	
	FP-31311-12		PC		5	
FP-31311-22	PSF	5				
Hose barb coupling bodies with lock						
C	FP-31311-16	1/4" tubing ID	PC	1.31" (33.3 mm)	5	
	FP-31311-26		PSF		5	
	FP-31311-17	3/8" tubing ID	PC	1.31" (33.3 mm)	5	
	FP-31311-27		PSF		5	
BSP straight-through bodies						
D	FP-06360-01	1/4" BSP	Acetal	1.31" (33.3 mm)	10	
	FP-06360-02	3/8" BSP			10	
NPT(M) bodies						
E	FP-06360-00	1/4" NPT	Acetal	1.31" (33.3 mm)	10	
	FP-06360-96	3/8" NPT			10	
Compression coupling bodies						
F	FP-06360-06	1/4" OD	Acetal	1.31" (33.3 mm)	10	
	FP-06360-08	3/8" OD			10	
Sealing caps						
G	FP-31311-64	1/4"	PC	1.31" (33.3 mm)	5	
	FP-31311-74	1/4"	PSF		5	
Sealing caps with lock						
H	FP-31311-67	1/4"	PC	1.31" (33.3 mm)	5	
	FP-31311-77	1/4"	PSF		5	

Standard Inserts and Plugs

Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed inserts						
I	FP-06360-92	1/4" tubing ID	Acetal	1.28" (32.5 mm)	10	
	FP-31311-61		PC		5	
	FP-31311-71		PSF		5	
	FP-06360-93	3/8" tubing ID	Acetal	1.28" (32.5 mm)	10	
	FP-31311-62		PC		5	
	FP-31311-72		PSF		5	
BSP straight-through inserts						
J	FP-06360-27	1/4" BSP	Acetal	1.28" (32.5 mm)	10	
	FP-06360-97	3/8" BSP			10	
NPT(M) inserts						
K	FP-06360-16	1/4" NPT	Acetal	1.28" (32.5 mm)	10	
	FP-06360-18	3/8" NPT			10	
Compression coupling inserts						
L	FP-06360-21	1/4" OD	Acetal	1.28" (32.5 mm)	10	
	FP-06360-24	3/8" OD			10	
Sealing caps						
M	FP-06360-31	1/4" OD	Acetal	1.28" (32.5 mm)	10	
	FP-06360-34	3/8" OD			10	
Plugs with lock						
N	FP-31311-68	1/4"	PC	1.20" (30.5 mm)	5	
	FP-31311-78	1/4"	PSF		5	

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

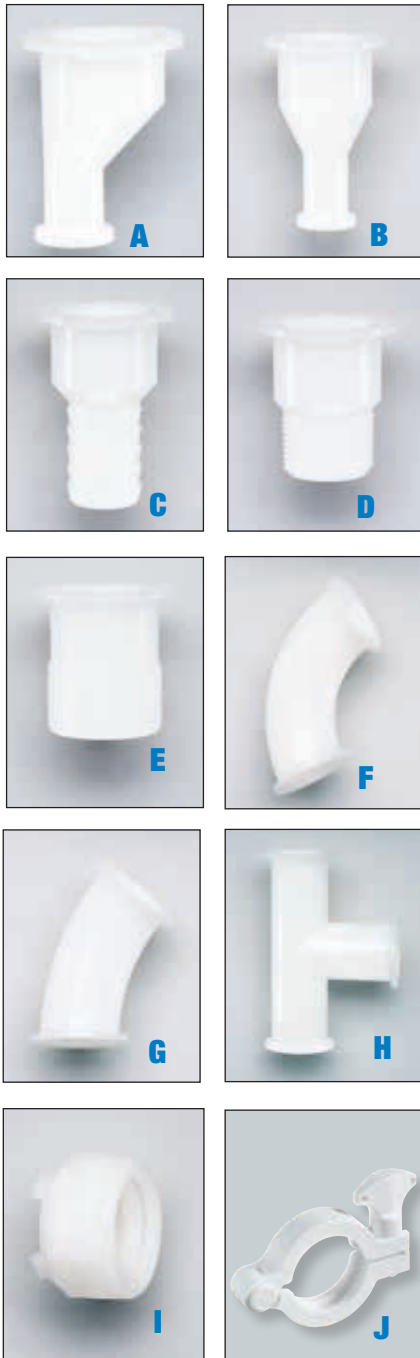
Key	Catalog number	Size	Material	Length	Qty/pk	Price/pk
Barbed bodies						
O	FP-31311-13	1/2" tubing ID	PC	1.96" (49.8 mm)	5	
	FP-31311-23		PSF		5	
Hose barb coupling bodies with lock						
P	FP-31311-18	3/8" tubing ID	PC	1.96" (49.8 mm)	5	
	FP-31311-28		PSF		5	
Barbed inserts						
Q	FP-31311-63	1/2" tubing ID	PC	1.90" (48.3 mm)	5	
	FP-31311-73		PSF	1.40" (35.6 mm)	5	

Cole-Parmer® Polypropylene (PP) and PVDF Sanitary Clamp Fittings

Maintain sanitary conditions in your processes

- Meet USP Class VI for pharmaceutical use and FDA, USDA, and 3A standards for food contact
- All fittings are compatible with Tri-Clamp® fittings
- Excellent chemical resistance; low leachable characteristics

Note: Though both materials may be autoclaved, PVDF tolerates high temperatures better than PP does and will perform more consistently after repeated autoclaving.



Clamp size	PP		PVDF	
	Cat. no.	Price	Cat. no.	Price
A. Eccentric reducers				
1½" x ¾" mini	FP-31805-01		FP-31808-01	
B. Concentric reducers				
1" ladish x ¾" mini	FP-31805-05		FP-31808-05	
1½" x ¾" mini	FP-31805-06		FP-31808-06	
1½" x 1" ladish	FP-31805-10		FP-31808-10	
2" x 1" ladish	FP-31805-11		FP-31808-11	
2" x 1½"	FP-31805-14		FP-31808-14	
C. Barbed adapters, clamp x tubing ID				
¾" mini x ½"	FP-31805-24		FP-31808-24	
¾" mini x ¼"	FP-31805-25		FP-31808-25	
¾" mini x ⅜"	FP-31805-26		FP-31808-26	
¾" mini x ½"	FP-31805-27		FP-31808-27	
¾" mini x ⅝"	FP-31805-28		FP-31808-28	
¾" mini x ¾"	FP-31805-29		FP-31808-29	
1" ladish x ½"	FP-31805-30		FP-31808-30	
1" ladish x ¼"	FP-31805-31		FP-31808-31	
1" ladish x ⅜"	FP-31805-32		FP-31808-32	
1" ladish x ½"	FP-31805-33		FP-31808-33	
1" ladish x ¾"	FP-31805-34		FP-31808-34	
1" ladish x 1"	FP-31805-35		FP-31808-35	
1½" x 1"	FP-31805-41		FP-31808-41	
2" x 1"	FP-31805-47		FP-31808-47	
D. Pipe thread adapters, clamp x NPT(M)				
1" ladish x ½"	FP-31805-56		FP-31808-56	
1" ladish x ¼"	FP-31805-57		FP-31808-57	
1" ladish x ⅜"	FP-31805-58		FP-31808-58	
1" ladish x ½"	FP-31805-59		FP-31808-59	
1" ladish x ¾"	FP-31805-60		FP-31808-60	
1" ladish x 1"	FP-31805-61		FP-31808-61	
1" ladish x 1¼"	FP-31805-62		FP-31808-62	
1" ladish x 1½"	FP-31805-63		FP-31808-63	
1½" x ¾"	FP-31805-68		FP-31808-68	
1½" x 1"	FP-31805-69		FP-31808-69	
1½" x 1¼"	FP-31805-70		FP-31808-70	
1½" x 1½"	FP-31805-71		FP-31808-71	
2" x 1"	FP-31805-77		FP-31808-77	
2" x 1½"	FP-31805-78		FP-31808-78	
2" x 1½"	FP-31805-79		FP-31808-79	
2" x 2"	FP-31805-80		FP-31808-80	
E. Pipe thread adapters, clamp x NPT(F)				
1" ladish x ¾"	FP-31806-04		FP-31809-04	
1" ladish x 1"	FP-31806-05		FP-31809-05	
1½" x 1½"	FP-31806-15		FP-31809-15	
F. 90° elbows				
¾" mini	FP-31806-41		FP-31809-41	
1" ladish	FP-31806-42		FP-31809-42	
1½"	FP-31806-43		FP-31809-43	
2"	FP-31806-44		FP-31809-44	
G. 45° elbows				
¾" mini	FP-31806-51		FP-31809-51	
1" ladish	FP-31806-52		FP-31809-52	
1½"	FP-31806-53		FP-31809-53	
2"	FP-31806-54		FP-31809-54	
H. Standard tees				
¾" mini	FP-31806-61		FP-31809-61	
1" ladish	FP-31806-62		FP-31809-62	
1½"	FP-31806-63		FP-31809-63	
2"	FP-31806-64		FP-31809-64	
I. Clamps				
¾" mini	—	—	FP-31811-00	
1" and 1½"	—	—	FP-31811-01	
2"	—	—	FP-31811-02	
2½"	—	—	FP-31811-03	



Specifications

Clamp size	Inner dimension (based on SS tube ID)
¾" mini	⅞"
1" maxi	⅞"
1" ladish†	⅞"
1½"	1⅜"
2"	1⅞"
2½"	2⅜"
3"	2⅞"

†Choose 1" ladish fittings for a direct match with 1" stainless steel sanitary connections.

Chemical resistance

PP: very good PVDF: excellent

Temperature range

PP: 15 to 180°F (-9 to 82°C)
PVDF: -40 to 280°F (-40 to 138°C)

Max pressure

In ambient conditions, using plastic true union style clamp
PP: 125 psi PVDF: 150 psi

Sterilization: EtO or autoclave

J. Nylon Clamps

Clamp size	Catalog number	Price
½" to ¾"	FP-30508-21	
1" to 1½"	FP-30508-23	
2"	FP-30508-25	
3"	FP-30508-27	
4"	FP-30508-29	

Gaskets (not shown)

Gasket size	Catalog number	Price
Platinum-cured silicone		
¾" mini	FP-30548-00	
1" ladish	FP-30548-02	
1½"	FP-30548-04	
2"	FP-30548-06	
2½"	FP-30548-08	
Viton®		
¾" mini	FP-30548-20	
1" ladish	FP-30548-22	
1½"	FP-30548-24	
2"	FP-30548-26	
2½"	FP-30548-28	
Buna N		
¾" mini	FP-30548-40	
1" ladish	FP-30548-42	
1½"	FP-30548-44	
2"	FP-30548-46	
2½"	FP-30548-48	
EPDM		
¾" mini	FP-30548-60	
1" ladish	FP-30548-62	
1½"	FP-30548-64	
2"	FP-30548-66	
2½"	FP-30548-68	
PTFE		
¾" mini	FP-30548-80	
1" ladish	FP-30548-82	
1½"	FP-30548-84	
2"	FP-30548-86	
2½"	FP-30548-88	



KimCote™ Safety-Coated Filtering Flasks

No more cleaning up broken glass

- Plastic coating keeps broken glass from going all over
- Side arm provides 1/4" connection for vacuum filtration
- Autoclavable to 120°C (250°F)



Capacity		Accepts stopper size	Hose connection	Catalog number	Qty/cs	Price/cs
mL	oz					
125	4	5	#2	FP-34524-49	1	
1000	32	8		FP-34524-51		
2000	64	8		FP-34524-53		
4000	128	8		FP-34524-55		

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	FP-34503-02	12	
50	20 to 50	FP-34503-03	12	
125	50 to 125	FP-34503-04	12	
250	50 to 200	FP-34503-05	12	
300	100 to 300	FP-34503-06	12	
500	100 to 500	FP-34503-07	6	
1000	250 to 1000	FP-34503-08	6	
2000	600 to 1800	FP-34503-09	1	
4000	1000 to 4000	FP-34503-10	1	
6000	1500 to 6000	FP-34503-11	1	

Flasks

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

FP-06414-20 Tygon® vacuum tubing, 3/8" ID (for 10-mm tubulation). 10 ft (3 m)

FP-06414-30 Tygon vacuum tubing, 1/2" 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

NEW



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	FP-34506-10	12	
250	6	50 to 200	25	FP-34506-12	12	
500	7	100 to 500	50	FP-34506-14	6	
1000	9	250 to 1000	50	FP-34506-16	6	
2000	10	600 to 1900	100	FP-34506-18	1	
3000	10	1000 to 3000	500	FP-34506-20	1	

PYREX® Brand 5642 Volumetric Flasks

No more broken stoppers

- High-density polyethylene stopper won't break if dropped
- Durable, Class A design
- Sharp, permanent graduation for precise dilutions



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	FP-34561-04	6	
50	0.05	9	FP-34561-05	6	
100	0.08	13	FP-34561-06	6	
200	0.10	13	FP-34561-07	6	
250	0.12	16	FP-34561-08	6	
500	0.20	19	FP-34561-09	6	
1000	0.30	22	FP-34561-10	1	
2000	0.50	27	FP-34561-11	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	FP-34560-01	6		FP-34560-21	12	
2	0.015	FP-34560-02	6		FP-34560-22	12	
10	0.02	—	—	—	FP-34560-24	12	
25	0.03	FP-34560-05	6		FP-34560-25	12	
50	0.05	FP-34560-06	6		FP-34560-26	12	
100	0.08	FP-34560-07	6		FP-34560-27	12	
200	0.10	FP-34560-08	6		FP-34560-28	12	
250	0.12	FP-34560-09	6		FP-34560-29	12	
500	0.20	FP-34560-10	6		FP-34560-30	12	
1000	0.30	FP-34560-11	1		FP-34560-31	6	
2000	0.50	FP-34560-12	1		FP-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	FP-34558-30	6		FP-34558-60	6	
10				FP-34558-32			FP-34558-62		
20				FP-34558-34			FP-34558-64		
25	0.08	13	Orange	FP-34558-36	6		FP-34558-66	6	
50				FP-34558-38			FP-34558-68		
100				FP-34558-40			FP-34558-70		
200	0.2	19	Green	FP-34558-42	6		FP-34558-72	6	
250				FP-34558-44			FP-34558-74		
500				FP-34558-46			FP-34558-76		
1000	0.3	22	Yellow	FP-34558-48	1		FP-34558-78	1	
2000				FP-34558-50			FP-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	FP-34505-05	6	
50	0.05	9	FP-34505-06	6	
100	0.08	13	FP-34505-07	6	
200	0.10	13	FP-34505-08	6	
250	0.12	16	FP-34505-09	6	
500	0.20	19	FP-34505-10	6	
1000	0.30	22	FP-34505-11	1	
2000	0.50	27	FP-34505-12	1	



**Scienceware®
Powder Funnel, PP**

Minimize powder bridging during transfer

- 60° wall incline
- Autoclavable



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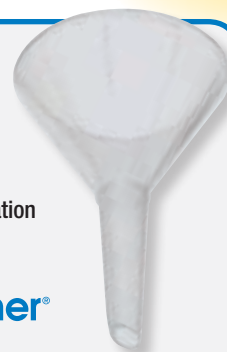
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Capacity mL (oz)	Top OD	Stem OD	Total height	Catalog number	Qty/pk	Price/pk
49 (1.7)	65 mm	15 mm	71 mm	FP-06123-10	12	
138 (4.7)	80 mm	18 mm	83 mm	FP-06123-20	12	
248 (8.4)	100 mm	21 mm	97 mm	FP-06123-30	6	
748 (26.5)	150 mm	29 mm	136 mm	FP-06123-40	4	

**Cole-Parmer®
Utility Funnel, PP**

Filter samples faster

- Eight internal ribs facilitate easier filtration
- Autoclavable



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Capacity mL (oz)	Top OD	Stem length	Qty/pk	Catalog number	Price/pk
5 (3/16)	37 mm	30 mm	12	FP-63100-26	
25 (3/4)	52 mm			FP-63100-28	
40 (1 1/2)	67 mm			FP-63100-30	
One of each above			3	FP-63100-32	

Vented Funnel, PP

No more air lock for easier funneling

- No messy cleanup—disposable for easier sampling
- Autoclavable



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Capacity mL (oz)	Top OD	Stem OD	Total height	Catalog number	Qty/pk	Price/pk
40 (1 1/2)	58 mm	6 mm	70 mm	FP-06124-10	100	
50 (1 3/4)	67 mm	6 mm	81 mm	FP-06124-20	100	

Large Industrial-Size Funnel, 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



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

Utility Funnel, PP and HDPE

Get easy, economical funneling

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



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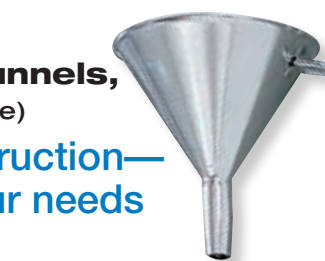
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Capacity mL (oz)	Top OD	Stem OD	Total height	Qty/pk	Catalog number	Price/pk
Polypropylene (PP), autoclavable						
70 (2)	2 3/4"	3/8"	2 1/16"	12	FP-06122-10	
125 (4)	3 1/4"	5/16"	3 3/4"	12	FP-06122-20	
250 (8)	4 1/4"	7/16"	4 1/16"	12	FP-06122-30	
High-density polyethylene (HDPE)						
500 (16)	5"	1/2"	5 1/8"	12	FP-06122-40	
1000 (32)	6 1/2"	15/16"	7 7/8"	12	FP-06122-50	
2000 (64)	8 1/8"	3/4"	8"	12	FP-06122-60	

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

No wimpy construction—stands up to your needs

- Tab for easy lifting



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Capacity mL (oz)	Top OD	Total height	Catalog number	Qty/pk	Price/pk
70 (2 3/8)	3"	3 1/4"	FP-07263-00	1	
190 (6 3/8)	4 1/8"	4 3/8"	FP-07264-00		
400 (13)	5"	5 3/8"	FP-07265-00		
650 (22 1/4)	6"	6 3/8"	FP-07266-00	1	
1000 (32)	6 3/4"	7 1/4"	FP-07267-00		
2000 (64)	8 3/8"	8 3/8"	FP-07268-00		

Thermo Scientific™ Nalgene™ Filtering Funnels, PP

No air lock
with outer ribs

- Get faster filtration with 58° angled internal ribs
- Accept standard filter papers
- Autoclavable



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Capacity mL (oz)	Top OD	Stem OD	Paper dia	Catalog number	Qty/ pk	Price/ pk
10 (1/2)	41 mm	6 mm	55 mm	FP-06120-10	12	
23 (3/4)	53 mm	7 mm	70 mm	FP-06120-15	12	
41 (1 1/2)	61 mm	7 mm	90 mm	FP-06120-20	12	
65 (2)	72 mm	7 mm	110 mm	FP-06120-30	12	
114 (3 3/4)	84 mm	7 mm	125 mm	FP-06120-40	6	
173 (6)	98 mm	8 mm	150 mm	FP-06120-50	6	
254 (8)	108 mm	9 mm	185 mm	FP-06120-60	4	
976 (32)	166 mm	14 mm	240 mm	FP-06120-70	2	

PYREX® Brand 6402 Separatory Funnels

Excellent chemical
resistance

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



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

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

No leaks or lubrication

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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)	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	FP-06126-10	1	
250 (8)	33 mm			FP-06126-20		
500 (16)	43 mm			FP-06126-50		
1000 (32)	53 mm			FP-06126-60		
FEP body with ETFE screw closure						
125 (4)	28 mm	65 mm	8.5 mm	FP-06125-10	1	
250 (8)	33 mm			FP-06125-20		
500 (16)	43 mm			FP-06125-50		
1000 (32)	53 mm			FP-06125-60		
2000 (64)	53 mm			FP-06125-70		

Cole-Parmer® Plastic Büchner Funnels, HDPE and PP

Get quick,
economical
vacuum filtration

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



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

CoorsTek® Büchner Funnels, Ceramic

Stand up to harsh
chemicals

- Glazed inside and out for easy cleaning
- Autoclavable



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

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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



REQUIRED System Components

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



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

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	FP-50007-00		High torque, low speed; with keyless chuck	2 to 180	1/5	340	115, 50/60	FP-50007-10		FP-50007-12	
230, 50/60	FP-50007-05			9 to 900	1/5	70	230, 50/60	FP-50007-15		FP-50007-17	
115, 50/60	FP-50007-00			High speed, low torque; with adjustable through-shaft collet	23 to 2300	1/10	45	115, 50/60	FP-50007-20		FP-50007-22
230, 50/60	FP-50007-05		60 to 6000		1/10	17	230, 50/60	FP-50007-25		FP-50007-27	
115, 50/60	FP-50007-00		115, 50/60		FP-50007-30		FP-50007-32				
230, 50/60	FP-50007-05		230, 50/60		FP-50007-35		FP-50007-37				
115, 50/60	FP-50007-00		115, 50/60		FP-50007-40		FP-50007-42				
230, 50/60	FP-50007-05		230, 50/60	FP-50007-45		FP-50007-47					

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 3/8" [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.



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	FP-50004-00	
Complete system					FP-50004-10	

FP-17050-03 NIST-traceable calibration for mixers





IKA® RW 20 Digital Dual-Range Mixer

No separate components to purchase—complete system is ready to go!

- No downtime—maintenance-free motor for continuous duty
- Fulfill all your lab mixing needs—two speed ranges for a variety of applications
- No need to move mixer head to reposition propeller—through-shaft design for easy movement
- No difficult controls—easy-to-use knob and LED display for accurate setting

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.

What's included: chuck (accepts up to 3/8" [10 mm] dia shafts), 6 1/4" L x 1/2" dia (159 mm L x 10 mm dia) mounting rod, four-blade propeller mixer stand, and clamp.



Complete system includes propeller, clamp, and stand



Four-Blade Propeller
Yours free!

Boss Head Clamp
Yours free!

Plate Stand
Yours free!



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	FP-50705-00	
			230, 50/60	FP-50705-10	

Mixers

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 3/8" [10 mm] dia shaft) and 6 1/4" L x 1/2" 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	FP-50702-30	
			230, 50/60	FP-50702-35	
Eurostar 40 digital mixer					
30 to 2000	1/8	56.6	115, 50/60	FP-50702-40	
			230, 50/60	FP-50702-45	

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 3/8" [10 mm] dia shaft) and 6 1/4" L x 1/2" 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	FP-50704-20	
			230, 50/60	FP-50704-25	
Eurostar 100 digital mixer					
30 to 1300	1/8	142	115, 50/60	FP-50704-30	
			230, 50/60	FP-50704-35	

Accessories for Laboratory Mixers

A. Shafts. All 3/8" (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)	FP-04552-20	
	5/16 x 18 (8 x 457)	FP-04552-30	
	3/8 x 12 (10 x 305)	FP-04552-25	
	3/8 x 18 (10 x 457)	FP-04552-35	
	3/8 x 24 (10 x 610)	FP-04552-00	
	3/8 x 30 (10 x 762)	FP-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 1 1/16" (18 mm).

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

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

Key	Catalog number	Price
E	FP-08041-22	
F	FP-04340-50	
G	FP-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.

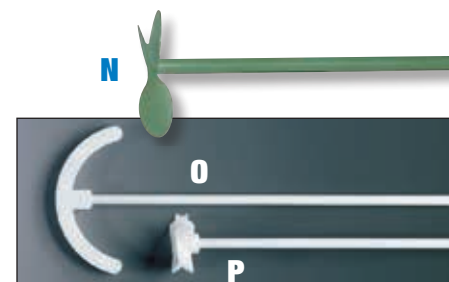
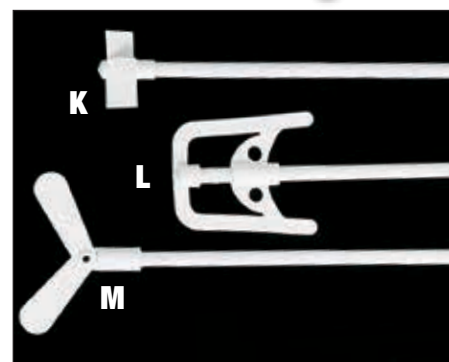
J. 316 SS Mixer Stand accepts extra screw-in support rods in both legs.

Key	Dimensions H x dia, in. (mm)	Stand		Extra support rod	
		Cat. no.	Price	Cat. no.	Price
H	29 x 3/4 (737 x 16)	FP-04552-80		FP-04552-85	
I	24 x 3/4 (610 x 16)	FP-04546-00		—	—
J	29 x 3/4 (737 x 16)	FP-04344-00		FP-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 1/16 (8 x 350)	1 3/4 (41)	FP-06367-10	
L. A-shaped, blade paddle assembly —for mixing highly viscous liquids				
Polypropylene	5/16 x 13 1/16 (8 x 350)	2 3/8 (67)	FP-06367-20	
M. Swing-out, dual-blade paddle assembly —for use in narrow-necked vessels				
Polypropylene	5/16 x 13 1/16 (8 x 350)	2 3/8 (60)	FP-06367-40	
Polypropylene	5/16 x 13 1/16 (8 x 350)	4 (102)	FP-06367-60	
N. Three-blade paddle assembly —for general-purpose mixing				
PTFE	5/16 x 12 (8 x 305)	2 (51)	FP-04449-06	
PTFE	5/16 x 18 (8 x 457)	2 (51)	FP-04449-10	
O. Anchor-style paddle assembly —for mixing medium- to high-viscosity liquids				
PTFE	3/8 x 22 (10 x 559)	4 (102)	FP-06367-70	
P. Four-blade paddle assembly —for mixing low- to medium-viscosity liquids				
PTFE	3/8 x 22 1/2 (10 x 562)	2 3/8 (60)	FP-06367-80	





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.



pHTestr 10

pHTestr 20

pHTestr 30

Oakton® Waterproof EcoTestr™ pH 2 Pocket Meter

No more replacing electrodes

- Easy to use—simply dip and read results on the easy-to-read display
- Waterproof housing is ideal for dirty or damp conditions—even floats if dropped in water
- Transparent protective cap also holds calibration solutions

Single-junction electrode is recessed to protect against breakage. Meter offers up to three-point calibration with autobuffer recognition for quick calibrations. Automatic temperature compensation ensures accurate readings, even under changing conditions. Hold function allows you to lock a measured value.

New Lower Price!
Now through September 30, 2015



pH / Ion Meters



Model	EcoTestr pH 2
Catalog number	FP-35423-10
Range	0 to 14.0 pH
Resolution	0.1 pH
Accuracy	±0.1 pH
Temperature compensation	Automatic
Calibration	Up to 3 points
Buffer recognition	4.0, 7.0, or 10.0
Power	Four 1.5 V button cell batteries (included)
Price	

Accessories

FP-09377-16 Replacement batteries, 1.5 V. Pack of 6

FP-17101-45 NIST-traceable calibration for pH pocket meters (non-BNC)



Description	pHTestr 10	pHTestr 20	pHTestr 30 with temperature readout
Catalog number	FP-35634-10	FP-35634-20	FP-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

FP-35624-38 Replacement pH sensor

FP-09377-16 Replacement batteries, 1.5 V button cell. Pack of 6

FP-17101-45 NIST-traceable calibration for pH pocket meters (non-BNC)

Teky's Tips



Get the best performance

- To avoid cross-contamination, rinse sensor between samples and calibration standards with clean water.
- To maintain tester accuracy, calibrate at regular intervals as required.
- For long-term storage, fill cap with 20 mm of storage solution (NOT de-ionized water) and replace cap. This will keep sensor conditioned and ready for next use.

Oakton® Waterproof pH 450 Meter

No more difficulty reading measurements

- Use it in any environment with backlit display and rugged design
- 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
- Download and analyze up to 500 data sets with USB or RS-232 output
- Use as a benchtop meter as well—built-in stand and wall-mount option

NEW

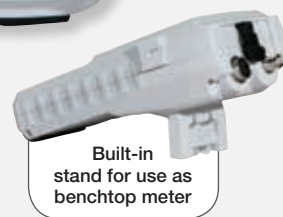
Waterproof, IP67-rated meter is ideal for even the harshest environments. View the main measurement simultaneously with temperature and calibration data with % slope on the large, backlit LCD. Be more accurate with up to six calibration points from USA, NIST, DIN, and custom pH buffers. Automatic temperature compensation (ATC) ensures measurement accuracy even in fluctuating temperatures.

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/temperature electrode (model 35808-71).

Meter kit further adds: pH buffer solutions, storage solution, rinse solution, and hard carrying case.



Meter only

Description	Meter only	Meter with probe	Meter kit
Model	pH 450		
Catalog number	FP-35618-32	FP-35618-30	FP-35618-90
Precalibrated cat. no.	FP-35618-34	FP-35618-33	FP-35618-91
Range	pH	-2.00 to 16.00	
	mV	±2000 mV	
	Ion	0.0 to 19,999	
	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	
	Ion	0.01	
	Temperature	0.1°F/°C	
Accuracy	pH	±0.01	
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater	
	Ion	±0.5% full-scale (monovalent); ±1% full-scale (divalent)	
	Temperature	±0.9°F (±0.5°C)	
Calibration	pH	Up to 6 points: USA, NIST, DIN	
	mV	±200 mV	
	Ion	Up to 6 points	
	Temperature	Offset 0.1 increments	
Temperature compensation	Automatic or manual from -10 to 110°C		
Output	USB or RS-232		
Data logging	500 data sets		
Power	Two AA batteries (included); universal power adapter (optional)		
Price			
Precalibrated price			

OAKTON®

Accessories

- [FP-35808-71](#) Replacement "All-in-One" pH electrode with built-in ATC; single-junction, epoxy body, BNC connector
- [FP-35808-72](#) "All-in-One" pH electrode with built-in ATC; double-junction, epoxy body, BNC connector
- [FP-35618-05](#) ATC probe. Use with any standard pH electrode for temperature compensation
- [FP-35614-50](#) Replacement Grip-Clip electrode holder
- [FP-35614-51](#) Hard carrying case, for 150/450 meters
- [FP-35630-53](#) Data cable for USB connectivity
- [FP-35420-01](#) Data cable for RS-232 connectivity
- [FP-35420-72](#) Optional adapter, 110/220 VAC
- [FP-09376-01](#) Replacement batteries, AA. Pack of 4
- [FP-17106-20](#) NIST-traceable calibration with data for pH meter



Kim, 12 years of experience

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Oakton® Waterproof pH/CON 450 Meter Kit

More measurements from one meter

NEW

- Get both pH and conductivity measurements with separate pH and conductivity probes
- Use it in any environment with backlit display and rugged design
- Intuitive, user-friendly icons show electrode status as pH slope and all constant
- Download and analyze up to 500 data sets with USB or RS-232 output



Meter with separate probes

Ideal meter for any environment with its rugged, waterproof housing. View both the main measurement and temperature simultaneously with large, backlit LCD. Ensure the accuracy of your measurements with up to six calibration points from USA, NIST, DIN, and custom pH buffer sets. Autocal feature for conductivity has one calibration point per range. Don't worry about accuracy in fluctuating temperature—ATC ensures measurement accuracy.

pH/CON 450 kit includes: pH electrode (model 35641-51), conductivity probe (model 35608-50, K = 1.0), Grip-Clip holder, calibration standards, hard carrying case, and two AA batteries.

Oakton® Waterproof pH/DO 450 Meter

Eliminate maintenance time and costs

NEW



- Rugged, waterproof and dustproof with an IP67 rating for use in any environment
- No costly, tiresome membranes or solutions
- More accurate readings with barometric pressure and salinity correction
- Download and analyze data easily with USB and RS-232 output for up to 500 data sets
- Take it with you—500 hours battery life or optional universal power adapter

Get faster response, long-term stability, and minimal maintenance with optical measurement technology. Automatic temperature compensation (ATC), barometric pressure compensation, and salinity correction. Get more readings simultaneously with pH, mV, % saturation, or mg/L (ppm) shown on large, backlit LCD.

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

Meter only: batteries.

Meter kit adds: pH probe (35808-71), RDO probe (35640-51), sensor cap, calibration solutions, and hard carrying case.

pH / Ion Meters



Description		Meter kit with separate probes
Model		pH/CON 450
Catalog number		FP-35630-90
Precalibrated catalog number		FP-35630-91
Range	pH	-2.00 to 16.00
	mV	±2000 mV
	Conductivity	0 to 200 mS
	TDS	0 to 200 ppt
	Salinity	0 to 50 ppt
	Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)
Resolution	pH	0.01
	mV	w0.1 mV ±999.9 mV; 1 mV beyond
	Conductivity	0.01 µS to 0.1 mS
	TDS	0.01 ppm to 0.1 ppt
	Salinity	0.01
	Temperature	0.1°F/°C
Accuracy	pH	±0.01
	mV	±0.2 mV ±2 LSD or ±0.5% of reading; whichever is greater
	Conductivity	±0.5% full-scale (monovalent); ±1% full-scale (divalent)
	TDS	±1% full-scale
	Salinity	±1% full-scale
Temperature compensation		Automatic or manual from -10 to 110°C
Output		USB or RS-232
Data logging		Stores up to 500 data sets
Price		
Precalibrated price		

Accessories

[FP-35641-51](#) Replacement pH electrode. Double-junction; epoxy body; BNC connector

[FP-35630-51](#) Replacement combination pH/CON/ATC probe

[FP-35608-50](#) Replacement conductivity cell, K = 0.1

Description		Meter only	Meter kit
Model		PD 450	
Catalog number		FP-35632-32	FP-35632-80
Precalibrated cat. no.		FP-35632-34	FP-35632-81
Range/ Resolution	pH	-2.00 to 16.00/0.01	
	mV	±2000 mV (Resolution 0.1 ±999.9 mV; 1 mV beyond)	
	Dissolved oxygen	0 to 20 ppm; 0 to 200%	
Accuracy	Temperature	-17.0 to 230.0°F (-10.0 to 110.0°C)	
	pH	±0.01	
	mV	±0.2 (>199.9 mV); ±2 mV (beyond)	
Barometric pressure correction	Dissolved oxygen	±2%	
	Temperature	±0.5°C	
	Salinity correction	Manual	
Salinity correction		Manual; 0 to 45	
Temperature compensation		Automatic or manual from -10 to 110°C	
Output		USB or RS-232	
Data logging		Stores up to 500 data sets	
Power		Two AA batteries (included); or optional universal power adapter	
Price			
Precalibrated price			

[FP-35808-71](#) "All-in-One" pH electrode with built-in ATC. Single-junction; epoxy body; BNC connector

[FP-35618-05](#) ATC probe. Use with any standard pH electrode for temperature compensation

[FP-35640-51](#) Replacement RDO sensor cap

[FP-35640-53](#) Replacement RDO probe, 10-ft (3-m) cable

[FP-35640-55](#) RDO probe, 20-ft (6-m) cable

[FP-35640-57](#) RDO probe, 50-ft (15-m) cable

[FP-35418-83](#) Optional adapter, 110/220 VAC

[FP-35630-53](#) Data cable for USB connectivity

[FP-35420-01](#) Data cable for RS-232 connectivity

[FP-09376-01](#) Replacement batteries, AA. Pack of 4

[FP-17106-20](#) NIST-traceable calibration with data for pH meter

[FP-17106-04](#) NIST-traceable calibration with data for DO meter

Thermo Scientific™ Orion™ Star™ A-Series Portable pH and pH/Ion Meters

Accuracy and reliability in a durable unit

- More information at a glance—display shows readings with temperature, electrode status, mode, calibration data, and more!
- Auto-recognition of USA, NIST, and DIN buffers for quicker calibrations
- Locks in readings with Auto-Read™ function
- Stands up to demanding needs—durable, waterproof IP67-rated housing

Star A121 pH Meter is a low-cost option that combines simplicity with accuracy—making it great for everyday pH measurements. Simple button layout and on-screen messages help with calibration and setup menu choices.

Star A221 pH and A324 pH/Ion Meters support a multi-language interface, improved stability algorithms, expanded data logging, and improved data security over the Star meters. Meters use RS-232 or USB for connectivity and include data analysis software.

Meters include: four AA batteries.

Star A121 meter kit adds: Orion Triode pH/ATC electrode 05719-14; 60 mL each of 4, 7, 10 buffers, storage solution, and cleaning solution; protective armor with electrode holder; and hard carrying case.

Star A221 and 324 meter kits add: ROSS Triode pH/ATC electrode 05718-28; 10 pouches each of 4, 7, 10 buffers and rinse solution; 457 mL of storage solution; protective armor with electrode holder; and hard carrying case.



Model	A121 pH meter only	A121 pH meter kit	A221 pH meter only	A221 pH meter kit	A324 pH/ion meter only	A324 pH/ion meter kit
Catalog number	FP-58825-06	FP-58825-08	FP-58825-16	FP-58825-18	FP-58825-64	FP-58825-66
Range	pH	-2.00 to 16.00	-2.000 to 20.000		-2.000 to 20.001	
	mV	±1600.0 mV; ±1999.9 rel mV	±2000.0 mV		±2000.0 mV	
	ISE	—	—		0 to 19,999	
	Temperature	23 to 221°F (-5 to 105°C)	23 to 221°F (-5 to 105°C)		23 to 221°F (-5 to 105°C)	
Resolution	pH	0.1, 0.01	0.1, 0.01, 0.001		0.1, 0.01, 0.001	
	mV	0.1	0.1		0.1	
	ISE	—	—		3 significant digits	
	Temperature	0.1	0.1		0.1	
Accuracy	pH	±0.01	±0.002		±0.002	
	mV	±0.2 or 0.05% of reading	±0.2 or 0.05% of reading		±0.2 or 0.05% of reading	
	ISE	—	—		±0.2 mV or 0.05% of reading	
	Temperature	±0.1	±0.1		±0.1	
Temp. compensation	Automatic or manual		Automatic or manual		Automatic or manual	
Calibration points	Up to 3		Up to 5		Up to 5	
Buffer recognition	USA, NIST, and DIN		USA, NIST, and DIN		USA, NIST, and DIN	
Data logging	50 points		2000 points with time-and-date stamp		2000 points with time-and-date stamp	
Output	—		RS-232, USB		RS-232, USB	
Power	Four AA batteries or optional AC adapter		Four AA batteries or optional AC adapter		Four AA batteries or optional AC adapter	
Price						

Accessories

- [FP-58825-52](#) Hard carrying case
- [FP-58825-53](#) Protective meter armor
- [FP-58822-03](#) Universal AC power adapter
- [FP-05719-14](#) Orion Triode pH/ATC electrode; refillable, epoxy body
- [FP-05718-28](#) ROSS™ Triode pH/ATC electrode
- [FP-55350-68](#) pH buffer kit. Includes 473 mL each of 4, 7, 10 buffers and storage solution, and 60 mL of cleaning solution
- [FP-09376-01](#) Replacement batteries, AA. Pack of 4
- [FP-17106-20](#) NIST-traceable calibration with data for pH meter

Thermo Scientific™ Orion™ pH Buffers

Color coded for ease of use

- Standardized against NIST-traceable pH references for superior accuracy

Available in a 475-mL (pint) bottle and portable 5 x 60-mL convenience packs. The All-in-One™ pH buffer kits include a pint each of 4, 7, and 10 buffer; either ROSS™ or standard electrode storage solution; and electrode storage bottle.



pH	5 x 60-mL bottles		1 x 475-mL bottle	
	Cat. no.	Price	Cat. no.	Price
1.68	FP-55350-26		FP-55350-28	
4.01	FP-55350-40		FP-55350-42	
5.00	—	—	FP-55350-38	
6.86	FP-55350-54		FP-55350-56	
7.00	FP-55350-44		FP-55350-46	
9.18	FP-55350-58		FP-55350-60	
10.01	FP-55350-48		FP-55350-52	
12.46	FP-55350-62		FP-55350-64	

- [FP-55350-66](#) ROSS All-in-One pH buffer kit
- [FP-55350-68](#) Standard All-in-One pH buffer kit



Oakton® pH Buffer Solutions

Keep your readings accurate with these quality buffers

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



Save by ordering larger sizes or by the case!

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	FP-00654-01		—	—	—	—	—	—	—	—
4.01	FP-00654-00		FP-05942-21		FP-05942-22		FP-05942-24		FP-05942-25	
6.86	FP-00654-03		—	—	—	—	—	—	—	—
7.00	FP-00654-04		FP-05942-41		FP-05942-42		FP-05942-44		FP-05942-45	
9.18	FP-00654-07		—	—	—	—	—	—	—	—
10.00	FP-00654-08		FP-05942-61		FP-05942-62		FP-05942-64		FP-05942-65	
12.45	FP-00654-12		—	—	—	—	—	—	—	—



Oakton® pH Buffer Pouches

Keep your accuracy even on the go!

- Single-use pouch—just tear, dip, calibrate
- Standardized to NIST-traceable pH references



pH	Catalog number	Price/20 pk
4.01	FP-35653-01	
7.00	FP-35653-02	
10.00	FP-35653-03	
Rinse solution	FP-35653-00	

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

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 solution
- 500-mL bottle or case of 24 500-mL bottles



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

Oakton® pH Buffer and pH Solution Packs

Maintain accuracy and your budget

- Pack includes 500 mL bottle of pH 4, 7, and 10 NIST-traceable buffers
- Adds 500-mL bottles of cleaning and storage solutions



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

Cole-Parmer® Buffers

Trust your buffer—NIST-traceable report included

- Eliminate concerns of cross-contamination

Each pack contains six polyethylene vials with 100 mL of pH buffer per vial. Also available in an economical 500-mL bottle.



pH	Six 100-mL vials		One 500-mL bottle	
	Catalog number	Price	Catalog number	Price
4.01	FP-00655-30		FP-00655-40	
7.00	FP-00655-32		FP-00655-42	
10.01	FP-00655-34		FP-00655-44	

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

Feel more confident about accuracies

NEW

- 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

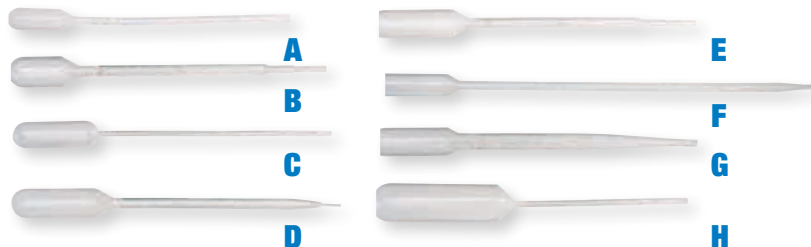


pH	500-mL bottles		1-L bottles		4-L bottles	
	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price
Colorless buffers						
4.01	FP-00651-00		FP-00651-30		FP-00651-70	
7.00	FP-00651-02		FP-00651-32		FP-00651-72	
10.00	FP-00651-04		FP-00651-34		FP-00651-74	
Color-coded buffers						
4.01 (red)	FP-00651-06		FP-00651-36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

Disposable Transfer Pipettes

Easily draw and deliver solutions

- Deliver repeatable, uniform drops
- Eliminate cross-contamination with these low-cost, disposable LDPE pipettes



Key	Description	Graduations		Bulb draw	Total capacity	Drops per mL	Length in. (mm)	Qty/pk	Catalog number	Price/pk
		Increments	Maximum							
A	Small bulb, graduated	0.1 mL	0.3 mL	0.8 mL	1.5 mL	21	4 ⁵ / ₈ (117)	500	FP-06226-37	
B	Small bulb, graduated	0.25 mL	1 mL	2.2 mL	3.9 mL	25	5 ¹ / ₂ (140)	500	FP-06226-41	
C	Large capacity, thin stem	—	—	3.3 mL	4.6 mL	25	6 ¹ / ₈ (156)	500	FP-06226-65	
D	Large capacity, fine tip	—	—	3.5 mL	5.8 mL	50	6 ¹ / ₄ (159)	500	FP-06226-67	
E	Large capacity, graduated	0.25 mL	1 mL	3.4 mL	5.8 mL	25	6 ¹ / ₈ (156)	500	FP-06226-61	
F	Large capacity, extra-long stem	—	—	2.3 mL	6.0 mL	25	9 (229)	400	FP-06226-69	
G	Large capacity, graduated	0.5 mL	3.0 mL	3.2 mL	7.5 mL	20	6 ¹ / ₈ (156)	500	FP-06226-63	
H	Jumbo bulb, long stem	—	—	8.0 mL	15.0 mL	19	6 ¹ / ₈ (156)	250	FP-06226-51	

Disposable Pasteur Pipettes, Glass

Versatile, rugged design for easy transfer

These pipettes are manufactured to conform to rigid specifications. Economical pipettes feature straight-cut tips and smooth fire-polished tops to facilitate bulb attachment. Available with either plain or cotton plugged ends. Packed in cartons of 250; four cartons per case of 1000.



Glass type	Length	Tip length		Qty/cs	Catalog number	Price/cs
		in.	mm			
Pasteur pipettes with plain ends						
Borosilicate	5 ³ / ₄ " (145 mm)	1 ⁷ / ₈ "	47	1000	FP-25554-02	
	9" (230 mm)	1 ¹ / ₄ "	132		FP-25554-04	
Soda-lime	5 ³ / ₄ " (145 mm)	1 ⁷ / ₈ "	47	1000	FP-25554-06	
	9" (230 mm)	1 ¹ / ₄ "	132		FP-25554-08	
Pasteur pipettes with plugged ends						
Borosilicate	5 ³ / ₄ " (145 mm)	1 ⁷ / ₈ "	47	1000	FP-25554-12	
	9" (230 mm)	1 ¹ / ₄ "	132		FP-25554-14	
Soda-lime	5 ³ / ₄ " (145 mm)	1 ⁷ / ₈ "	47	1000	FP-25554-16	
	9" (230 mm)	1 ¹ / ₄ "	132		FP-25554-18	

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.



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

Kimble® Disposable Serological Pipettes, Glass

Be more versatile with negative graduation

- Calibrated "to deliver"
- Meet ASTM Specification E438, Type I, Class B requirements

Nonplugged nonsterile pipettes are bulk packed in sealed plastic bags and overpacked in shelf packs.

Plugged sterile pipettes are designed from ASTM Specification E714. Sizes 1 and 2 mL are packaged 25 pieces per bag; sizes 5 and 10 mL are packaged 10 pieces per bag; bags are color coded.

Shorty-plugged sterile pipettes are packaged in color-coded, paper/plastic individual wrap.



Capacity (mL)	Negative graduations (mL)	Graduation interval (mL)	± Tol (mL)	Package color code	Qty/cs	Catalog number	Price/cs
Nonplugged nonsterile pipettes							
1	0.2	0.01	0.03	—	1000	FP-25553-10	
2	0.2	0.01	0.06	—	500	FP-25553-11	
5	1	0.1	0.15	—	500	FP-25553-12	
10	2.5	0.1	0.03	—	500	FP-25553-13	
Plugged sterile pipettes							
1	0.2	0.01	0.03	Yellow	1000	FP-25553-14	
2	0.2	0.01	0.06	White	500	FP-25553-15	
5	1	0.1	0.15	Blue	500	FP-25553-16	
10	2.5	0.1	0.03	Orange	500	FP-25553-17	
Shorty-plugged sterile pipettes							
1	0.5	0.01	0.04	Yellow	400	FP-25553-18	
5	2	0.1	0.2	Blue	200	FP-25553-19	
10	2	0.2	0.4	Orange	200	FP-25553-20	

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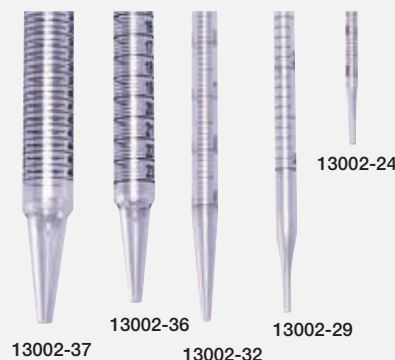
Cole-Parmer® Serological Pipettes, PS

Fits just about any pipettor

These serological pipettes are made from transparent polystyrene (PS), sterilized by gamma irradiation, and designed for quick and accurate fluid dispensing. The highly legible permanent graduations prevent ambiguity and guarantee precise dispensing to ±2%. Graduations show volume removed or remaining on all pipettes larger than 1 mL. Generous negative graduations provide additional pipetting volume.

Unique filter plug eliminates lint fibers and ensures plug stays in place to prevent overfilling. The uniform mouth piece fits all major pipettors and has color-coded TD rings for easy identification. Each lot is tested for endotoxins and cytotoxicity, and guaranteed nonhemolytic—ideal for your tissue culture applications.

The individually wrapped pipettes are supplied in a fiber-free paper/plastic combination that is easy to open. The dispenser box allows you to remove pipettes without opening the top. Universal stacking design requires less laboratory space and each box is color coded for quick recognition.



STERILE

Capacity (mL)	Graduation interval (mL)	Tip style	Color ring	Qty/bag	Qty/cs	Catalog number	Price/cs
Individually wrapped							
1	0.01	Standard	Yellow	—	500	FP-13002-12	
1	0.1	Standard	Red	—	500	FP-13002-14	
2	0.01	Standard	White	—	500	FP-13002-15	
5	0.1	Standard	Blue	—	200	FP-13002-16	
10	0.1	Standard	Orange	—	200	FP-13002-17	
25	0.2	Standard	Green	—	150	FP-13002-19	
50	0.5	Standard	Purple	—	100	FP-13002-20	
Bulk wrapped							
1	0.01	Standard	Yellow	25	1000	FP-13002-24	
1	0.1	Standard	Red	25	1000	FP-13002-26	
2	0.01	Standard	White	25	1000	FP-13002-28	
5	0.1	Standard	Blue	25	500	FP-13002-29	
10	0.1	Standard	Orange	25	400	FP-13002-30	
10	0.1	Wide	Orange	25	400	FP-13002-32	
25	0.2	Standard	Green	10	150	FP-13002-36	
50	0.5	Standard	Purple	10	100	FP-13002-37	

Pipette Pump™ Controllers

Dispense more quickly

- Attach pipette and easily dispense via plunger or wheel
- Made of HDPE



For pipettor volume	Color	Catalog number	Price
Pipette pumps			
0.2 mL	Yellow	FP-06221-01	
2.0 mL	Blue	FP-06221-02	
10.0 mL	Green	FP-06221-03	
25.0 mL	Red	FP-06221-04	
Pipette pumps with rapid-release lever			
2.0 mL	Blue	FP-06221-32	
10.0 mL	Green	FP-06221-33	
25.0 mL	Red	FP-06221-34	

Cole-Parmer® Chempette® Macropipettors

Stop inadvertent volume changes

- Easily lock volume in place with set screw



Polypropylene construction and durable design reduce friction wear and increase precision. A piston of PTFE ensures complete sealing in a polypropylene cylinder. O-rings are not exposed to friction wear. You can draw and deliver precise samples for the entire life of the piston and cylinder.

ISO9001:2008
CERTIFIED SUPPLIER

Volume (mL)	Tip ejector	Autoclavable	Increments (mL)	Accuracy	Reproducibility	Catalog number	Price
0.2 to 1 0.4 to 2	No	No	0.1	±1%	±1%	FP-07859-10 FP-07859-20	
1 to 5 2 to 10	No	No	0.5	±1%	±1%	FP-07859-30 FP-07859-40	

Disposable Tips

Volume (mL)	Material	Qty/bx	Catalog number	Price/bx
0.2 to 2	Polypropylene	200	FP-07859-22	
1 to 5			FP-07859-23	
2 to 10			FP-07859-42	



KIMAX® Class A, Serialized and Unserialized, Volumetric Pipettes

Minimize breakage with tempered tip

- Easily identify size with color-coded design
- Calibrated "to deliver" for more accurate dispensing
- Meet ASTM specifications E969



A serialized and certified Class A version is supplied with a certificate of accuracy and a sandblasted number to match the certificate. Serological pipettes have frosted bands at the top to indicate that the last drop must be "blown out."

Capacity (mL)	Color code	Accuracy (mL)	Unserialized pipettes			Serialized pipettes		
			Catalog number	Qty/cs	Price/cs	Catalog number	Qty/cs	Price/cs
0.5	2 Black	±0.006	FP-16600-00	12	—	—	—	
1	Blue	±0.006	FP-16600-02	12	—	—	—	
2	Orange	±0.006	FP-16600-04	12	FP-16601-02	12	—	
3	Black	±0.01	FP-16600-06	12	FP-16601-04	12	—	
4	2 Red	±0.01	FP-16600-08	12	FP-16601-06	12	—	
5	White	±0.01	FP-16600-10	12	FP-16601-08	12	—	
9	Black	±0.02	FP-16600-14	6	—	—	—	
10	Red	±0.02	FP-16600-16	12	FP-16601-10	12	—	
15	Green	±0.03	FP-16600-18	12	—	—	—	
20	Yellow	±0.03	FP-16600-20	12	FP-16601-21	12	—	
25	Blue	±0.03	FP-16600-22	12	FP-16601-25	12	—	
30	Black	±0.03	FP-16600-24	6	—	—	—	
40	White	±0.05	FP-16600-26	6	—	—	—	
50	Red	±0.05	FP-16600-28	12	FP-16601-50	8	—	
100	Yellow	±0.08	FP-16600-30	12	FP-16601-52	12	—	

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.



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



Tips

Volume (µL)	Qty/pk	Catalog number	Price/pk
0.2 to 10	1000	FP-25711-06	
0 to 200	1000	FP-25711-12	
	960	FP-25711-14	
200 to 1300	1000	FP-25711-70	
	1000	FP-18889-08	
	500	FP-25711-71	
1000 to 5000	250	FP-25711-72	



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



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.

Specifications

Wetted materials: polypropylene **Tip ejector:** yes **Autoclavable:** yes

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



Tips

Volume (µL)	Qty/ pk	Catalog number	Price/ pk
0.2 to 10	1000	FP-25711-06	
0 to 200	1000	FP-25711-12	
	960	FP-25711-14	
500 to 1000	1000	FP-18889-08	
	1000	FP-25711-70	
1000 to 5000	500	FP-25711-71	
	250	FP-25711-72	

Pipettes & Pipettors

Eppendorf® Research® plus Adjustable-Volume Pipettors

Minimize stress and fatigue

- Requires up to 50% less pipetting force
- Designed to fit comfortably in your hand

Spring-loaded tip cone achieves optimal tightness and minimal attachment forces—doing most of the work for you! Make your volume adjustments with just one hand, only a few turns will get you to your desired volume. Four-digit volume display is easy to view. Multichannel pipettors offer channel indicators, in addition to flexibility of removing any of the independent channels—use as many as you need.

Secondary adjustment gives you greater accuracy for specific liquid types. Pipettors are made from Fortron® PPS, which is resistant to acids, alkalis, mildew, bleaches, aging, sunlight, heat, and abrasion. Fully autoclavable for simple decontamination.



Specifications

Calibration: user **Tip ejector:** yes **Autoclavable:** yes, fully



Volume	Increments	Accuracy†	Precision†	Control button color	Catalog number	Price
Single-channel pipettors						
0.1 to 2.5 µL	0.002 µL	±1.4%	±0.7%	Dark gray	FP-24505-01	
0.5 to 10 µL	0.01 µL	±1%	±0.4%	Gray	FP-24505-02	
2 to 20 µL	0.02 µL	±1%	±0.3%	Light gray	FP-24505-03	
2 to 20 µL	0.02 µL	±1%	±0.3%	Yellow	FP-24505-04	
10 to 100 µL	0.1 µL	±0.8%	±0.2%	Yellow	FP-24505-05	
20 to 200 µL	0.2 µL	±0.6%	±0.2%	Turquoise	FP-24505-06	
30 to 300 µL	0.2 µL	±0.6%	±0.2%	Orange	FP-24505-07	
100 to 1000 µL	1 µL	±0.6%	±0.2%	Blue	FP-24505-08	
0.5 to 5 mL	5 µL	±0.6%	±0.15%	Violet	FP-24505-09	
1 to 10 mL	10 µL	±0.6%	±0.15%	Turquoise	FP-24505-11	

Volume	Increments	Accuracy†	Precision†	Control button color	Catalog number	Price
Eight-channel pipettors						
0.5 to 10 µL	0.01 µL	±2%	±1%	Gray	FP-24505-12	
10 to 100 µL	0.1 µL	±0.6%	±0.3%	Yellow	FP-24505-13	
30 to 300 µL	0.2 µL	±0.8%	±0.3%	Orange	FP-24505-14	
Twelve-channel pipettors (not shown)						
0.5 to 10 µL	0.01 µL	±2%	±1%	Gray	FP-24505-15	
10 to 100 µL	0.1 µL	±0.6%	±0.3%	Yellow	FP-24505-16	
30 to 300 µL	0.2 µL	±0.8%	±0.3%	Orange	FP-24505-17	

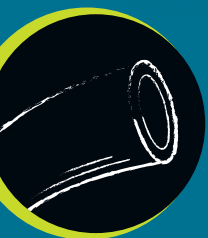
†Accuracy and precision values given at maximum volume of pipettor.

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>2300 Pumps



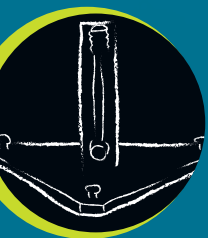
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>170 Tubing
Formulations plus
Custom Cut Sizes



The Right Fit:

4500+ Fitting Options



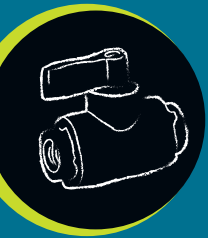
In the Flow:

More than 3200
Flowmeter Options



Pressure Relief:

Select from 3000+
Pressure Gauges



Control your Flow:

More than 1000 Valves

Catalyst™ Pumps pages 61–62



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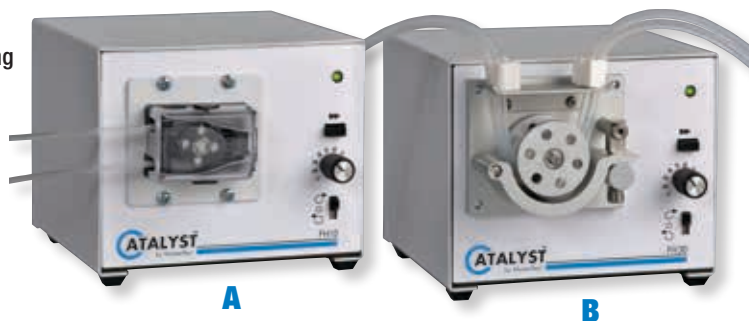
— or Ch@t Live —

Catalyst™ FH10, FH15, and FH30 Peristaltic Pumps

Get quick setup and repeatable low flow rates

NEW

- Compact, stackable pumps feature a durable steel housing with chip-resistant epoxy-based paint
- Max button runs pump at 100% speed—use to prime or flush tubing
- Remote control connections on back of pump; start/stop pump with a contact closure
- Separate single-turn speed control and cw/off/ccw switch with green LED power indicator—maintain speed setting when you turn pump on/off or reverse direction



Pumps

A. Catalyst FH10 Single-Channel Pumps

- Flow: 0.002 to 50 mL/min depending on tubing size and drive rpm
- Pumps accept continuous lengths of tubing for a clean, uninterrupted flow path with no fittings
- A single motion opens pump head cover and releases occlusion bed for quick and easy tubing changes
- Polyphenylene sulfide (PPS), acetal, and copolyester pump head with four stainless steel (SS) rollers

B. Catalyst FH15 Single-Channel and FH30 Dual-Channel Pumps

- Flow: 0.8 to 105 mL/min depending on tubing size and drive rpm
- Dual-channel model delivers synchronous flow from two separate channels
- Pump head has average fixed occlusion for tubing; no need to adjust occlusion
- Two-stop tubing sets are easy to load
- Self-lubricating thermoplastic polyester (Ertalyle® TX) rollers are low friction and long wearing for smooth operation and long life



Specifications

Remote control input: start/stop via contact closure

Reversible motor: yes **IP rating:** IP22

Flow range (mL/min)	Tubing sizes accepted (mm ID)	Speed range	Dimensions (L x W x H)	Power (50/60 Hz)		Catalog number	Price
				VAC	Amps		
A. Catalyst FH10 single-channel pumps							
0.002 to 1.65	0.19, 0.25, 0.89, 1.42, 2.06, 2.79	1.7 to 10	7" x 5¼" x 4½" (17.8 x 13.4 x 11.4 cm)	90 to 260	0.4 at 115 VAC, 0.25 at 230 VAC	FP-77720-00	
0.017 to 11		13 to 80				FP-77720-02	
0.07 to 50		50 to 300				FP-77720-04	
B. Catalyst FH15 single-channel pump							
0.8 to 105	0.8, 1.6, 3.2, 4.8	20 to 100	7" x 5¼" x 4½" (17.8 x 13.4 x 11.4 cm)	90 to 260	0.5 at 115 VAC, 0.3 at 230 VAC	FP-77720-20	
B. Catalyst FH30 dual-channel pump							
0.8 to 14	0.8, 1.6	20 to 100	7" x 5¼" x 4½" (17.8 x 13.4 x 11.4 cm)	90 to 260	0.5 at 115 VAC, 0.3 at 230 VAC	FP-77720-30	

Tubing Coils for Catalyst FH10 Pumps

Tubing ID	0.19 mm ID	0.25 mm ID	0.89 mm ID	1.42 mm ID	2.06 mm ID	2.79 mm ID
Flow (mL/min) at 1.7 to 10 rpm	0.002 to 0.013	0.004 to 0.022	0.041 to 0.25	0.09 to 0.57	0.18 to 1.05	0.25 to 1.65
Flow (mL/min) at 13 to 80 rpm	0.017 to 0.10	0.03 to 0.18	0.33 to 2.0	0.75 to 4.5	1.4 to 8.5	1.8 to 11.0
Flow (mL/min) at 50 to 300 rpm	0.07 to 0.43	0.12 to 0.73	1.4 to 8.3	3.2 to 19	5.9 to 35.2	8.3 to 50
Silicone, platinum-cured (15 m/49.2 ft)	—	—	FP-97200-14	FP-97200-16	FP-97200-17	FP-97200-18
PharMed® BPT (30 m/98.4 ft)	—	FP-97200-33	FP-97200-34	FP-97200-36	FP-97200-37	FP-97200-38
Tygon® E-Food (30 m/98.4 ft)	FP-97200-72	FP-97200-73	FP-97200-74	FP-97200-76	FP-97200-77	FP-97200-78

Two-Stop Tubing Sets for Catalyst FH15 and FH30 Pumps

Tubing ID	0.8 mm ID	1.6 mm ID	3.2 mm ID	4.8 mm ID
Flow (mL/min) with FH15	0.8 to 4.0	2.8 to 14	11 to 54	21 to 105
Flow (mL/min) with FH30	0.8 to 4.0	2.8 to 14	Not recommended	
Silicone, platinum-cured (6/pk)	FP-97100-12	FP-97100-13	FP-97100-16	FP-97100-17
PharMed® BPT (12/pk)	FP-97100-22	FP-97100-23	FP-97100-26	FP-97100-27
Norprene® Food (12/pk)	FP-97100-42	FP-97100-43	FP-97100-46	FP-97100-47
Tygon® E-Food (12/pk)	FP-97100-62	FP-97100-63	FP-97100-66	FP-97100-67

Catalyst™ FH100 and FH100D Peristaltic Pumps

You'll be up to speed and pumping in no time at all

NEW

- Integrated pump and drive systems are provided fully assembled, reducing setup time
- Pump head accepts multiple tubing sizes for a broad flow range
- Integral pump head allows tubing change in less than 30 seconds—tubing occlusion is automatic when pump head is closed
- Interlock switch powers unit down when pump head is opened for tubing change
- Contamination-free pumping—the fluid contacts only the tubing



A

CATALYST™
by Masterflex®



B

ISO9001:2008
CERTIFIED SUPPLIER

A. Catalyst FH100 Precision Peristaltic Pumps

- Intuitive keypad is easy to use—quickly increase or decrease flow
- Digital display of speed (rpm) for accurate control and repeatability
- Reversible motor permits purging of tubing before and after use
- Remote control capability is ideal for automated process applications

B. Catalyst FH100D Digital Peristaltic Dispensing Pumps

- Accurate dispensing from a simple, ready-to-use pump
- Clear multiline LCD displays all operational parameters
- Control capabilities include programmable dispensing in volume, time, or copy modes
- Programmed delay between cycles for convenient automated dispensing
- Programmable in seven languages—provides easy intuitive setup
- Optimize system accuracy by calibrating the pump system under application conditions—the calibration is stored in memory—one calibration value per tubing size

Flow range (mL/min)	Tubing sizes accepted (mm ID)	Speed range	Speed control (repeatability)	Remote control input	Reversible motor	Power (50/60 Hz) VAC	Amps	Catalog number	Price
A. Catalyst FH100 pump accepts 1.6 mm (thin-wall) tubing									
0.5 to 3000	0.8, 1.6, 3.2, 4.8, 6.4, 8.0	4 to 400 rpm	±0.25%	4 to 20 mA, 0 to 10 V	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	FP-77722-00	
A. Catalyst FH100X pump accepts 2.4 mm (thick-wall) tubing									
14 to 4000	4.8, 6.4, 8.0, 9.5	4 to 400 rpm	±0.25%	4 to 20 mA, 0 to 10 V	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	FP-77722-02	
B. Catalyst FH100D pump accepts 1.6 mm (thin-wall) tubing									
0.5 to 3000	0.8, 1.6, 3.2, 4.8, 6.4, 8.0	4 to 400 rpm	±0.25%	0 to 20 mA, 4 to 20 mA, 0 to 10 V scalable	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	FP-77722-10	
B. Catalyst FH100DX pump accepts 2.4 mm (thick-wall) tubing									
14 to 4000	4.8, 6.4, 8.0, 9.5	4 to 400 rpm	±0.25%	0 to 20 mA, 4 to 20 mA, 0 to 10 V scalable	Yes	90 to 260	1.6 at 115 VAC, 1.9 at 230 VAC	FP-77722-12	

Accessories

[FP-07528-80](#) Handheld remote controller for models FH100 and FH100X.

DB9; for on/off control; route tubing through handle for filling applications

[FP-07523-97](#) Handheld remote controller for models FH100D and FH100DX.

DB25; for on/off control; route tubing through handle for dispensing applications

[FP-17050-01](#) NIST-traceable calibration with data for peristaltic pumps

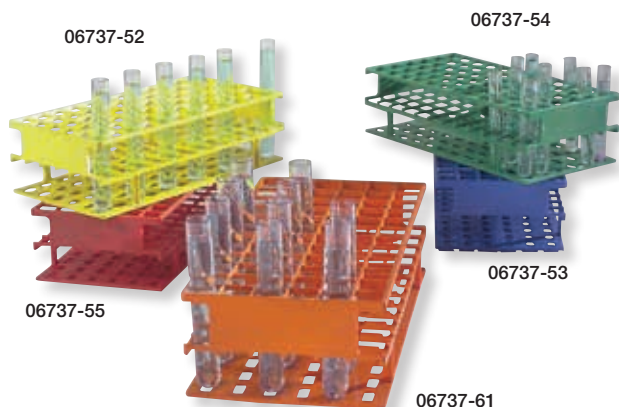
Tubing Coils

Description	1.6 mm (thin-wall) tubing for FH100 and FH100D pumps						2.4 mm (thick-wall) tubing for FH100X and FH100DX pumps				
	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	4.8 mm	6.4 mm	8 mm	9.5 mm	
Inner diameter	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	4.8 mm	6.4 mm	8 mm	9.5 mm	
Hose barb size	1/32"	1/16"	1/8"	3/16"	1/4"	5/16"	3/16"	1/4"	5/16"	3/8"	
Flow (mL/min)	0.5 to 40	2.0 to 150	6.5 to 550	16 to 1200	24 to 2000	36 to 3000	14 to 1200	24 to 2000	36 to 3000	48 to 4000	
Length/pk	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	15 m (49.2 ft)	
Silicone, platinum-cured	—	FP-97000-71	FP-97000-72	FP-97000-73	FP-97000-74	FP-97000-75	FP-97000-76	FP-97000-77	FP-97000-78	FP-97000-79	
PharMed® BPT	FP-97000-20	FP-97000-21	FP-97000-22	FP-97000-23	FP-97000-24	FP-97000-25	—	—	—	—	
Norprene® Food	—	FP-97000-41	FP-97000-42	FP-97000-43	FP-97000-44	FP-97000-45	—	—	—	—	
Tygon® E-Food	—	FP-97000-61	FP-97000-62	FP-97000-63	FP-97000-64	FP-97000-65	—	FP-97000-67	FP-97000-68	FP-97000-69	

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	FP-06737-50	
13	72 (6 x 12)	Orange	1	FP-06737-51	
13	72 (6 x 12)	Yellow	1	FP-06737-52	
13	72 (6 x 12)	Blue	1	FP-06737-53	
13	72 (6 x 12)	Green	1	FP-06737-54	
13	72 (6 x 12)	Red	1	FP-06737-55	
16	72 (6 x 12)	White	1	FP-06737-60	
16	72 (6 x 12)	Orange	1	FP-06737-61	
16	72 (6 x 12)	Yellow	1	FP-06737-62	
16	72 (6 x 12)	Blue	1	FP-06737-63	
16	72 (6 x 12)	Green	1	FP-06737-64	
16	72 (6 x 12)	Red	1	FP-06737-65	
20	40 (4 x 10)	White	1	FP-06737-70	
25	40 (4 x 10)	White	1	FP-06737-80	
30	24 (3 x 8)	White	1	FP-06737-90	

Test Tube Support System, PP

One rack, virtually limitless versatility

- Rotate cubes to accommodate different size tubes
- Consists of four cubes and tray
- Autoclavable



Compatible tube sizes	Catalog number	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	FP-06733-00	

Cole-Parmer® Drying Rack, PS

Dry more glassware

- Includes 72 v-shaped pegs to accommodate more labware
- Easy snap in peg design



Rack 06045-95 shown with optional acrylic stand 06045-98



Dimensions (W x H x D)	Catalog number	Price
17¾" x 24" x 3" / 45.1 x 61 x 7.6 cm	FP-06045-95	

- [FP-06045-97](#) Optional test tube pegs, rounded. Bag of 11
- [FP-06045-98](#) Optional acrylic stand with mounting hardware

Scienceware® Lab-Aire® II Drying Racks

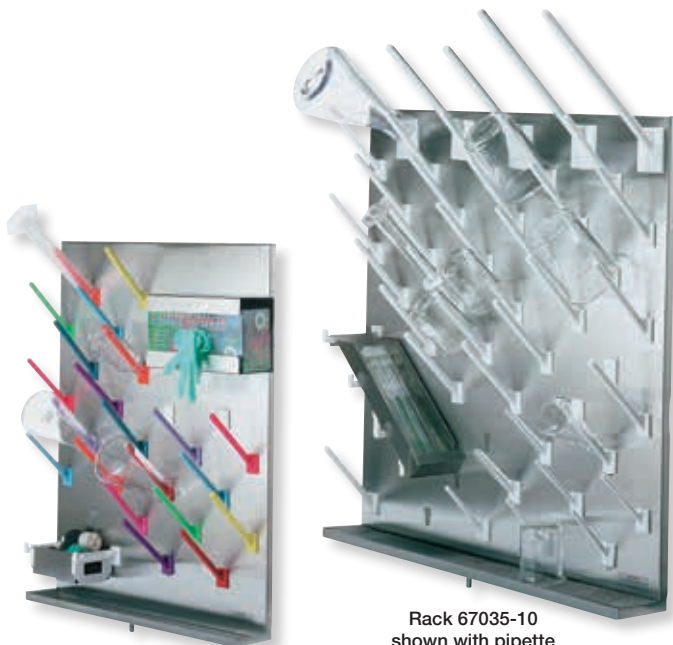
Configure to your labware

- 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	FP-06733-91
2 tier, benchtop	38	16" x 16¼" x 7½"	40.6 x 41.3 x 19.1 cm	FP-06733-93
2 tier, wall mount				FP-06733-98
3 tier, benchtop	57	16" x 23¾" x 7½"	40.6 x 60.3 x 19.1 cm	FP-06733-94
3 tier, wall mount				FP-06733-99
Double-sided drying racks				
1 tier, benchtop	38	16" x 9¼" x 10½"	40.6 x 23.5 x 26.7 cm	FP-06733-95
2 tier, benchtop	76	16" x 16¼" x 10½"	40.6 x 41.3 x 26.7 cm	FP-06733-96
3 tier, benchtop	114	16" x 23¾" x 10½"	40.6 x 60.3 x 26.7 cm	FP-06733-97

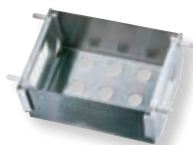


Wall-mount racks are sized to fit standard pegboards



Rack 67035-02 shown with drain basket and glove dispenser

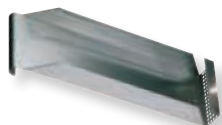
Rack 67035-10 shown with pipette rack and screen insert



Drain basket
67035-70



Drain shelf
67035-71



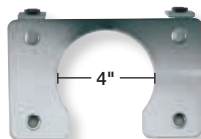
Pipette rack
67035-72



Funnel rack
67035-73



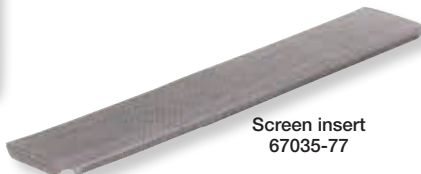
Cylinder yoke
67035-74



Flask holder
67035-75



Glove dispenser
67035-76



Screen insert
67035-77

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	FP-67035-00	
Assorted†	FP-67035-02	
50-peg racks measure 30"W x 30"H x 4"D (76.2 x 76.2 x 10.2 cm)		
White	FP-67035-10	
Assorted†	FP-67035-12	
Black	FP-67035-14	
60-peg racks measure 36"W x 30"H x 4"D (91.4 x 76.2 x 10.2 cm)		
White	FP-67035-20	
Assorted†	FP-67035-22	
Black	FP-67035-24	

†Assorted peg colors include yellow, orange, pink, red, green, light blue, dark blue, lilac, and purple.

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 2 1/2"H (15.2 x 6.4 cm)	FP-67035-70	
Drain shelf, 14"W (35.6 cm)	FP-67035-71	
Pipette rack, 12 1/2"L (31.8 cm)	FP-67035-72	
Funnel rack, 14"W (35.6 cm)	FP-67035-73	
Cylinder yoke, 14"W (35.6 cm)	FP-67035-74	
Flask holder, 8"W (20.3 cm)	FP-67035-75	
Glove dispenser, 10"W x 5 3/4"H (25.4 x 14.6 cm)	FP-67035-76	
Screen insert, 24"W (61 cm)	FP-67035-77	
Screen insert, 30"W (76.2 cm)	FP-67035-78	
Screen insert, 36"W (91.4 cm)	FP-67035-80	

Plugs and Pegs, Molded Polypropylene

Removable "snap-in" plugs and pegs come in packs of six.

Description	Catalog number	Price/pk
White hole plugs	FP-67035-79	
White tube pegs, 4"L x 5/16" dia (10.2 x 0.8 cm)	FP-67035-90	
White long pegs, 9"L x 5/8" dia (22.9 x 1.6 cm)	FP-67035-91	
White long pegs, 12"L x 5/8" dia (30.5 x 1.6 cm)	FP-67035-92	



META 100% Cotton White Lab Coats

No more ironing

Coats feature three outside pockets and one inside pocket with side access. Breast pocket includes a pen holder. Belt is sewn down in the back and has accenting darts. Available in men's and women's sizes. Coats are 38" (96.5 cm) long.



Size	Length	Catalog number	Price per lab coat	
			1 ea	6 ea
Men's lab coats				
Small (38)	38" (96.5 cm)	FP-10510-03		
Medium (42)		FP-10510-04		
Large (46)		FP-10510-05		
X-large (48)		FP-10510-06		
Women's lab coats				
Small (8)	38" (96.5 cm)	FP-10511-03		
Medium (12)		FP-10511-04		
Large (16)		FP-10511-05		
X-large (18)		FP-10511-06		

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 LN₂ 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)	FP-09113-36	
42" x 24" (106.6 x 60.9 cm)	FP-09113-38	
48" x 24" (121.9 x 60.9 cm)	FP-09113-40	

Safety

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

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.



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

Size	Length	Catalog number	Price per lab coat	
			1 ea	6 ea
Men's lab coats				
Small	40" (101.6 cm)	FP-86468-00		
Medium		FP-86468-02		
Large		FP-86468-04		
X-large		FP-86468-06		
Women's lab coats				
Small	40" (101.6 cm)	FP-86468-01		
Medium		FP-86468-03		
Large		FP-86468-05		
X-large		FP-86468-07		

Unisex size	Length	White	Light blue	Black	Navy blue
M (36-40)	40" (101.6 cm)	FP-10503-04	FP-10505-04	FP-10503-14	FP-10504-04
L (42-44)	40" (101.6 cm)	FP-10503-05	FP-10505-05	FP-10503-15	FP-10504-05
XL (46-48)	40" (101.6 cm)	FP-10503-06	FP-10505-06	FP-10503-16	FP-10504-06
XXL (50-52)	40" (101.6 cm)	FP-10503-07	FP-10505-07	FP-10503-17	FP-10504-07
XXXL (54-56)	40" (101.6 cm)	FP-10503-08	FP-10505-08	FP-10503-18	FP-10504-08

*Discounts: Save 10% on 6-11 coats; 15% on 12-23 coats; 20% on 24+ coats.

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	FP-86225-01		
Large	FP-86225-02		
X-large	FP-86225-03		
XX-large	FP-86225-04		
Coveralls with elastic wrists			
Medium	FP-86225-11		
Large	FP-86225-12		
X-large	FP-86225-13		
XX-large	FP-86225-14		
Coveralls with elastic wrists and hood			
Medium	FP-86225-21		
Large	FP-86225-22		
X-large	FP-86225-23		
XX-large	FP-86225-24		
Coveralls with elastic wrists, hood, and boots			
Medium	FP-86225-35		
Large	FP-86225-36		
X-large	FP-86225-37		
XX-large	FP-86225-38		

†Discount: Save 10% on 25 or more coveralls of any combination of sizes and styles

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	
		Catalog No.	Price	Catalog No.	Price
Small (36-38)	41½" (105 cm)	FP-86351-00		FP-86351-10	
Medium (38.5-42)		FP-86351-02		FP-86351-12	
Large (42.5-46)		FP-86351-04		FP-86351-14	
X-large (46.5-50)		FP-86351-06		FP-86351-16	

Wait!

There's More at ColeParmer.ca

Find all the product specs you need!

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	Extra large	150 pair	FP-86227-82		
Skid-free sole			FP-86227-92		

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	FP-86495-20		
Tie-on		50	FP-86495-22		
Shielded		25	FP-86495-30		



Olympic Reader Safety Glasses

Get magnification and protection in one

- Nylon frame with 7-base lens for close coverage around eyes

Solves the problem of workers removing safety glasses to put on reading glasses. Placement of lens insert, like a bifocal, reduces headaches and eyestrain.



Compliance: ANSI Z87.1+ (High impact)

Magnification	Frame color	Lens	Catalog number	Price per pair	
				1 pr	12 pr
+1.0	Black	Clear	FP-86474-26		
+1.5			FP-86474-20		
+2.0			FP-86474-22		
+2.5			FP-86474-24		
+3.0			FP-86474-28		

Uvex® by Honeywell Bionic® Face Shields

Protects you from head to chin

Shield provides secondary protection for workers exposed to falling or flying objects, impact, chemical splash, and airborne debris. Lightweight design, foam backing, and customizable fit make this face shield ideal for extended use. Fits comfortably over most goggles and respirators.



Compliance: ANSI Z87-1.2003, CSA Z94.3

Material	Catalog number	Price per each	
		1 ea	10 ea
Head gear with face shield			
PC, uncoated	FP-81690-11		
PC, antifog/hard coat	FP-81690-12		
Replacement face shields			
PC, uncoated	FP-81690-13		
PC, antifog/hard coat	FP-81690-14		

Sellstrom® Acetate Face Shield

Provides chemical protection at a great price

Ratcheting head gear allows for fast and easy adjustment. Face shield curves naturally to fit facial contours ensuring reliable protection from splash, particles, and flying debris. Acetate window is impact and chemical splash resistant. Window easily attaches with keyhole design and locks in the up or down position depending on need. Nonglare finish allows for high clarity.



Compliance: ANSI Z87.1+ (High impact), CUL, CAN/CSA-Z94.3 Standards

Lens	Headgear with face shield		Replacement face shield	
	Catalog number	Price	Catalog number	Price
Clear	FP-86478-16		FP-86478-18	
Clear, antifog	FP-86478-17		FP-86478-19	

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	FP-86285-00		
	Fog-free clear	FP-86285-01		
Magnum Elite™ safety glasses				
Platinum	Clear	FP-86285-10		
Mini-Magnum™ safety glasses				
Black	Clear	FP-86286-00		

Lens Cleaner Towelettes

No more dirty lenses

Individually wrapped 5" x 7¼" (12.7 x 18.4 cm) towelettes are premoistened with an antifog, antistatic formula for use on plastic, glass, or polycarbonate lenses, face shields, and goggles. Wipe dirt from computer and video monitors as well. Towelette dispenser features a pullout bottom for easy dispensing and a built-in tab for hanging in a convenient location.



Description	Catalog number	Price per pack	
		1 pk	10 pk
Lens cleaner (100 towelettes)	FP-86212-00		

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	FP-86307-00	
20 pair	15¼ x 12¼ x 6¾	38.7 x 31.1 x 17.1	FP-86307-05	

Guardian Equipment Faucet-Mount Personal Eyewash

Be within reach of an eyewash at all times

- Easily convert a standard faucet into an eyewash station
- Flow controlled by water pressure
- Choose adjustable outlets or gooseneck mount which directs the spray across the eyes

Compliance: ANSI Z358.1-2009 as personal eyewash only.

Goosenecks let you easily adjust eyewash angle.



06767-42

06767-44

Description	Catalog number	Price
Faucet-mount eyewash	FP-06767-42	
Faucet-mount eyewash; with gooseneck mounted outlets	FP-06767-44	

Bradley® On-Site Portable Gravity-Fed Eyewash

Position where you need it—no plumbing needed

- Flushes completely—use just seven gallons of solution for full 15 minute flush
- Know when to refill—transparent polycarbonate tank for easy viewing
- Easy to use—inverted tank is activated when arm is pulled

What's included: transparent tank, yellow polypropylene pedestal, and stainless steel wall bracket with universal identification sign.

Compliance: ANSI Z358.1-2009

Unit with waste cart 86001-08



86001-00

Description	Dimensions (H x W x D)	Catalog number	Price
On-site eyewash	22" x 24 $\frac{3}{8}$ " x 19" (55.9 x 61.9 x 48.3 cm)	FP-86001-00	

Accessories

[FP-86001-08](#) Optional waste cart, 22 $\frac{1}{8}$ "W x 33"H x 29 $\frac{3}{4}$ "D (56 x 84 x 76 cm)

Honeywell® 100% Sterile Primary Eyewash Station with Alarm

Minimize further injury with sterile delivery system

- Alert others of injury with auto-activation of alarm when unit is activated
- Alerts when mandatory 15-minute flush is complete
- Position and move as needed

Sterile saline cartridges have a 24-month shelf life (from date of manufacture), minimizing replacement time and expense (cartridges sold separately). Cartridge expiration date can easily be seen through side view window. Integrated waste reservoir prevents spills and eases disposal of spent solution.

What's included: emergency eyewash station sign and mounting bracket.

Compliance: ANSI Z358.1-2009



Description	Dimensions (H x W x D)	Cat. no.	Price
100% Sterile eyewash station	34 $\frac{3}{4}$ " x 15 $\frac{1}{2}$ " x 17 $\frac{1}{2}$ " (88.3 x 39.4 x 44.5 cm)	FP-06796-01	

[FP-06796-05](#) Eyewash refill cartridge

Guardian Equipment Combination Showers

Safely flush body and eyes separately or simultaneously

- No need to use hands with foot operated models
- Units feature 10"-dia (25 cm) shower head and 12"-dia (31 cm) eyewash basin

Approval: UL, CSA

Compliance: ANSI Z358.1-2009



Safety station 06767-41 features both hand and foot activation

Specifications

Flow rate

Shower: 30 GPM at 30 psi
Eye/facewash: 3.6 GPM at 30 psi

Inlet: 1 $\frac{1}{4}$ " NPT(F)

Outlet: 1 $\frac{1}{4}$ " NPT(F)

Valves

Shower: 1" NPT(F) brass/chrome plated, stay open
Eye/facewash: 1/2" NPT(F) brass/chrome plated, stay open

Supply pipe: 1 $\frac{1}{4}$ " NPT(F) galvanized steel

Description	Material	Catalog number	Price
Hand operated	ABS plastic	FP-06767-40	
Hand/foot operated	ABS plastic	FP-06767-41	
Hand operated	Stainless steel	FP-06767-43	
Hand operated w/bowl cover	Stainless steel	FP-06767-45	



Microflex® Powder-Free Latex Gloves

Proven performance that consistently exceeds the standards

Enjoy comfortable wear, durable protection, a secure grip, and tactile sensitivity. Powder-free to reduce skin irritation. Gloves feature a textured surface for excellent grip—wet or dry. Natural latex ensures superior comfort and resilience. Beaded cuffs improve tear resistance and protect hands. Disposable—for single use only. 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.

SafeGrip® Latex Gloves are ideal for enhanced protection. They have extended cuffs and an average thickness of no less than 12 mil. Superior tensile strength provides extraordinary resiliency.

Synetron® Latex Gloves feature extended cuffs for extra protection and offer excellent dexterity and tactile sensitivity. Polymer-coated interior makes them easy to put on and take off.

Ultra One® Latex Gloves with extended cuffs provide high barrier performance.



Diamond Grip™
86231-36



Diamond Grip Plus™
86232-06



Evolution One®
86231-26



SafeGrip®
86231-66



Synetron®
86231-47



Ultra One®
86231-96

Size	Material	Length	Thickness	Qty/ case	Catalog number	Price per case
Diamond Grip™ gloves						
Small	Premium low modulus natural latex	9½" (24 cm)	7.1 mil	1000	FP-86231-35	
Medium					FP-86231-36	
Large					FP-86231-37	
X-large					FP-86231-38	
Diamond Grip Plus™ gloves						
Small	Natural rubber latex, polymer-coated interior	9½" (24 cm)	6.3 mil	1000	FP-86232-05	
Medium					FP-86232-06	
Large					FP-86232-07	
X-large					FP-86232-08	
Evolution One® gloves						
Small	Medium modulus latex, polymer-coated interior	9½" (24 cm)	5.9 mil	1000	FP-86231-25	
Medium					FP-86231-26	
Large					FP-86231-27	
X-large					FP-86231-28	
SafeGrip® gloves						
Small	Premium low modulus natural latex	11½" (29 cm)	14.2 mil	500	FP-86231-65	
Medium					FP-86231-66	
Large					FP-86231-67	
X-large					FP-86231-68	
Synetron® gloves						
Small	Medium modulus latex, polymer-coated interior	11½" (29 cm)	11.8 mil	500	FP-86231-45	
Medium					FP-86231-46	
Large					FP-86231-47	
X-large					FP-86231-48	
Ultra One® gloves						
Small	Low modulus natural latex	11½" (29 cm)	11.8 mil	500	FP-86231-95	
Medium					FP-86231-96	
Large					FP-86231-97	
X-large					FP-86231-98	

Safety

Search

Choose the proper glove for your application. Go to . . . ColeParmer.ca/SafetyChemGuide

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



Size	Length	Thickness	Qty/ bx	Catalog number	Price per box	
					1 bx	10 bx
Powdered gloves						
Small	9½" (24 cm)	4 mil	100	FP-81602-40		
Medium				FP-81602-50		
Large				FP-81602-60		
X-large				FP-81602-70		
Powder-free gloves						
Small	9½" (24 cm)	4 mil	100	FP-81602-45		
Medium				FP-81602-55		
Large				FP-81602-65		
X-large				FP-81602-75		

Microflex® FreeForm™ SE Nitrile Gloves

Minimize stress, maximize motion

- Soft feel with textured surface for better grip
- Conform to your hand for better comfort and full range of motion
- Powder-free, ambidextrous



Size	Length	Thickness	Qty/ case	Catalog number	Price per case
FreeForm SE gloves					
Small	9½" (24 cm)	5.1 mil	1000	FP-86445-20	
Medium				FP-86445-21	
Large				FP-86445-22	
X-large				FP-86445-23	
FreeForm SE extended-cuff gloves					
Small	11½" (29 cm)	6.3 mil	500	FP-86445-24	
Medium				FP-86445-25	
Large				FP-86445-26	
X-large				FP-86445-27	

Glove Dispenser

Glove box dispenser holds one box of disposable gloves. Dispenser can be placed on benchtop or wall-mounted using hardware included. Measures (W x H x D) 10" x 5½" x 4" (25.2 x 14 x 10.2 cm).



FP-63535-13 Glove box dispenser

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	FP-81601-04		
Medium				FP-81601-05		
Large				FP-81601-06		
X-large				FP-81601-07		

Microflex® MidKnight™ Black Nitrile Gloves

Won't show stains

- Fully textured for consistently reliable gripping
- Power free
- Ambidextrous



Size	Length	Thickness	Qty/case	Catalog number	Price per case
Small	9½" (24 cm)	5.5 mil	1000	FP-86445-15	
Medium				FP-86445-16	
Large				FP-86445-17	
X-large				FP-86445-18	

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	FP-86480-45	
Medium				FP-86480-46	
Large				FP-86480-47	
X-large				FP-86480-48	



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



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.



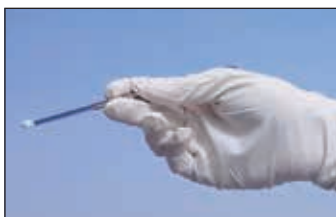
Size	Length	Thickness	Qty/pk	Catalog number	Price per pack	
					1 pk	10 pk
General and laboratory grade low-powder† N-DEX gloves						
Small	9½" (24 cm)	4 mil	100	FP-86287-70		
Medium				FP-86287-71		
Large				FP-86287-72		
X-large				FP-86287-73		
General and laboratory grade powder-free N-DEX gloves						
Small	9½" (24 cm)	4 mil	100	FP-86287-80		
Medium				FP-86287-81		
Large				FP-86287-82		
X-large				FP-86287-83		
Industrial grade N-DEX Plus low-powder† gloves						
Small	9½" (24 cm)	8 mil	50	FP-86287-60		
Medium				FP-86287-61		
Large				FP-86287-62		
X-large				FP-86287-63		

†USP grade cornstarch

KimTech Pure® G3 Sterile Critical Nitrile Gloves

Protect sensitive samples

- Individually packed in pairs, gloves are sterilized for safety
- Lightly textured for better gripping
- Get better mobility with hand specific design
- Powder-free



Compliance: Sterilized by gamma irradiation to meet ISO 11137 standards.

Size	Length	Thickness	Qty/bg	Catalog number	Price per bag	
					1 bg	10 bg
Small	12" (30 cm)	5 mil	20 pairs	FP-86486-00		
Medium				FP-86486-01		
Large				FP-86486-02		
X-large				FP-86486-03		

Cryo-Glove® Cryogenic Gloves

Keep hands from freezing

- Protect as low as -256°F (-160°C)
- Maximum protection while remaining flexible



Water-Resistant Gloves provide protection in closed systems. A stay-dry lining keeps you warm and comfortable. **Waterproof Gloves** have a nylon exterior and a seamless waterproof lining. Gloves keep you dry and wick moisture away from your hands. **Cryo-Industrial® Gloves** feature a rugged, abrasion-resistant outer shell that protects the glove and provides an excellent grip for heavy-duty applications. Waterproof liner protects against cryogenic splashes while the inner lining wicks moisture from your hands for enhanced comfort.

Note: Do not immerse gloves in liquid nitrogen.



Description	Size	Length	Catalog number	Price per pair
Water-resistant Cryo-Glove gloves				
Wrist	Medium	12" (30 cm)	FP-09113-02	
	Large		FP-09113-04	
Mid-arm	Medium	15" (38 cm)	FP-09113-12	
	Large		FP-09113-14	
	X-large		FP-09113-16	
Elbow	Medium	19" (48 cm)	FP-09113-22	
	Large		FP-09113-24	
	X-large		FP-09113-26	
Waterproof Cryo-Glove gloves				
Mid-arm	Medium	15" (38 cm)	FP-09113-30	
	Large		FP-09113-32	
	X-large		FP-09113-34	
Elbow	Medium	19" (48 cm)	FP-09113-35	
	Large		FP-09113-37	
	X-large		FP-09113-39	
Cryo-Industrial heavy-duty gloves				
Mid-arm	Medium	15" (38 cm)	FP-09113-62	
	Large		FP-09113-64	
	X-large		FP-09113-66	

Mapa® Temp-Tec® Heat-Insulated Neoprene Gloves

Don't wonder when to replace

- Two-tone indicator alerts you when to replace gloves
- Good chemical resistance
- Roughened surface for better gripping
- Withstand temperatures from -100 to 480°F (-73 to 249°C)



Compliance: FDA 21 CFR 177.2600.

Insulated neoprene gloves give you excellent protection from extreme hot or cold.



Size	Length	Thickness	Catalog number	Price per pair	
				1 pr	6 pr
Medium	14" (35 cm)	Heavy gauge	FP-40211-30		
Large			FP-40211-31		
X-large			FP-40211-32		

Rubbermaid® Square Scoop, PE

Stands on end—will not tip over

- Get large quantity scooping easily



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 (L x W x H)	Catalog number	Qty/ pk	Price/ pk
2000 (64)	8 1/4" x 6" x 5" (21.0 x 15.2 x 12.7 cm)	FP-06277-00	1	

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
1/4 tsp (1.2 mL)	6 1/8" (15.5 cm)	FP-06263-10	200	
1/2 tsp (2.5 mL)	5 7/8" (14.9 cm)	FP-06263-20	200	
1 tsp (4.9 mL)	5 1/2" (14.0 cm)	FP-06263-30	200	
1 tbsp (14.8 mL)	5 1/4" (13.3 cm)	FP-06263-40	200	

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 5 7/8" (14.9 cm) long spoon with 0.5 mL and 2.0 mL bowls, an 8 1/4" (21 cm) long spoon with 1.6 mL and 5.0 mL bowls, and an 11 1/8" (30.2 cm) long spoon with 2.0 mL and 8.0 mL bowls.



Set contains three spoon sizes



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	FP-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



Buy More...Save More!

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

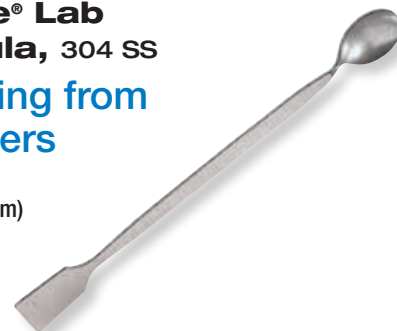
Capacity mL (oz)	Scoop (L x dia)	Catalog number	Qty/ pk	Price/ pk
201 Stainless steel scoops				
175 (5.5)	5 1/2" x 3" (14 x 7.6 cm)	FP-07205-01	1	
1550 (52)	10" x 5 3/4" (25.4 x 14.6 cm)	FP-07205-03†	1	
304 Stainless steel scoop				
1550 (52)	7 1/8" x 5 1/4" (18.1 x 13.3 cm)	FP-07210-00	1	

†Model 07205-03 has a hook on the end for convenient storage.

Scienceware® Lab Spoon/Spatula, 304 SS

Easier sampling from large containers

- Total length of 12" (31 cm)



Buy More...Save More!

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

Spoon capacity	Spoon end	Spatula end	Catalog number	Qty/ pk	Price/ pk
5 mL (0.18 oz)	1 1/2" (3.8 cm) W	1 3/16" (3 cm) W	FP-01019-14	1	

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 (3/4)	2 3/8 x 1 1/8	6.0 x 2.9	FP-06275-15	12	
60 (2)	3 x 1 1/2	7.6 x 3.8	FP-06275-16	12	
75 (2 1/2)	3 1/2 x 1 1/2	8.9 x 3.8	FP-06275-17	12	
100 (3 1/2)	3 5/8 x 1 7/8	9.2 x 4.8	FP-06275-18	12	
200 (6 3/4)	5 x 2	12.7 x 5.1	FP-06275-19	12	
1100 (37)	8 x 4 3/4	20.3 x 12.1	FP-06275-20	6	

Vortex-Genie Shakers

Maximize high-speed touch mixing

– Won't "walk" across your benchtop

Vortex-Genie® 1 Shaker has a single high-speed mixing action that eliminates operator error for highly reproducible results. Includes pop-off cup; 3" (7.6-cm) platform sold separately below.

Vortex-Genie® 2 Shaker allows you to control speed intensity by varying pressure to the head. The variable speed shaking allows you to adjust the level of mixing from gentle shaking to vigorous vortexing. Easy-to-change platforms allow you to adapt your shaker to a variety of applications. Shaker comes with a pop-off cup for single tube shaking and a standard 3" (7.6-cm) platform for multiple tube or flask shaking. Order optional platform starter kits below to customize the shaker for your application.

Vortex-Genie® 2T Shaker features both touch and hands-free operation. Shake samples from 1 to 60 seconds in touch mode, 1 to 60 minutes in hands-free mode, or continuously in the automatic untimed mode. The 2T shaker accepts all standard Genie attachments and accessories making it an economical addition to your laboratory. Includes pop-off cup and 3" (7.6-cm) platform.

Digital Vortex-Genie® 2 Shaker features both touch and hands-free operation with increased timer range. Shake samples from 1 to 99 seconds in touch mode, 1 to 99 minutes in hands-free mode, or continuously in the automatic untimed mode. Digital display provides accuracy, reproducibility, and repeatability. Accepts all standard Genie attachments and accessories and includes pop-off cup and 3" (7.6-cm) platform.

Vortex-Genie® Pulse Shaker offers true pulsing action, providing more collisions and random motion. Ideal for applications requiring more aggressive action than standard vortexing. Fully programmable—the variable run/stop time provides quick pulsing or interval mixing to keep samples in suspension, or use in continuous mode for vortexing. Featuring digital control and display of speed and time, this shaker will deliver reproducible and accurate mixing. Accepts all standard Genie attachments and accessories and includes pop-off cup and 3" (7.6-cm) platform.

What's included: power cord with plug (no plug on 230 VAC models).



Speed range	Timer range		Platform dimensions	Power			Catalog number	Price
	Touch mode	Hands-free mode		VAC	Hz	Amps		
Vortex-Genie 1 shaker								
600 to 3200 rpm	—	—	1½" dia pop-off cup	120	60	0.65	FP-04724-10	
600 to 2700 rpm	—	—	1½" dia pop-off cup	230	50/60	0.5	FP-04724-15	
Vortex-Genie 2 shaker								
600 to 3200 rpm	—	—	1½" dia pop-off cup,	120	60	0.65	FP-04724-00	
600 to 2700 rpm	—	—	3" dia platform	230	50/60	0.5	FP-04724-05	
Vortex-Genie 2T shaker								
600 to 3200 rpm	1 to 60	1 to 60	1½" dia pop-off cup,	120	60	0.65	FP-04724-20	
600 to 2700 rpm	seconds	minutes	3" dia platform	230	50/60	0.5	FP-04724-25	
Digital Vortex-Genie 2 shaker								
500 to 3000 rpm	1 to 99	1 to 99	1½" dia pop-off cup,	120	60	0.65	FP-04724-40	
	seconds	minutes	3" dia platform	230	50/60	0.5	FP-04724-45	
Vortex-Genie Pulse shaker								
500 to 3000 rpm	0.1 sec to 99	1 to 99	1½" dia pop-off cup,	120	60	0.65	FP-04724-38	
	minutes	minutes	3" dia platform	230	50/60	0.5	FP-04724-39	

[FP-04724-61](#) Platform with cover, 3" (7.6-cm) dia

[FP-04724-60](#) Replacement cup for single tube shaking

[FP-04724-70](#) Thermoplastic rubber cover protects standard 3" (7.6-cm) platform

[FP-04724-54](#) Small ampule shaker attachment

[FP-04724-55](#) Large ampule shaker attachment

[FP-04724-57](#) TurboMix™ shaker attachment

[FP-04724-63](#) Microtube holder for 12 x 2-mL tubes

[FP-04724-64](#) Vertical tube holder. Holds 3 x 50-mL tubes

[FP-04724-65](#) Vertical tube holder. Holds 6 x 15-mL tubes

[FP-04724-89](#) Vertical tube holder. Holds 6 x 50-mL, 6 x 15-mL, and 12 microtubes

[FP-04724-66](#) Vertical microtube holder. Holds 9 microtubes

[FP-04724-67](#) Molded bottom closure and screw kit

[FP-04724-83](#) Platform, 6" (15.2 cm)

[FP-04724-84](#) Recessed platform

[FP-04724-85](#) Tube insert†, foam; 9–16 mm. Set of 2

[FP-04724-86](#) Tube insert†, foam; 14–29 mm. Set of 2

[FP-04724-87](#) Tube insert†, foam; 29–37 mm. Set of 2

[FP-04724-88](#) Blank insert†, foam. Set of 2

†Requires recessed platform 04724-84 (sold separately above).



Shakers

Beaker/Tube Platform Starter Kit

includes one recessed platform for beakers up to 250 mL, two elastic bands, and one tube insert assortment set (Set includes one foam insert each for 9 to 16 mm, 14 to 29 mm, and 29 to 37 mm tubes; and one blank insert).

[FP-04724-80](#) Beaker/tube platform starter kit

[FP-04724-82](#) Replacement elastic bands†. Set of 2

[FP-04724-81](#) Replacement tube insert assortment†. Set of 4

†Requires recessed platform 04724-84 (sold separately above).

Microtube/Microwell Plate Platform Starter Kit contains one 6" (15.2 cm) platform, one 6" (15.2 cm) foam insert for 60 microcentrifuge tubes, and one 6" (15.2 cm) foam insert for a single microwell plate.

[FP-04724-50](#) Microtube/microwell plate platform starter kit

[FP-04724-51](#) Replacement micro tube inserts† hold up to 60 microtubes. Pack of 2

[FP-04724-53](#) Double-tier microwell plate insert

†Requires platform 04724-83 (sold separately above).

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



Description	Overall length		Catalog number	Qty/pk	Price/pk
	in.	cm			
A. Blue	8¾	22.2	FP-06265-18	300	
B. Opaque	8¾	22.2	FP-06265-12	300	
C. Opaque, antistatic	5½	14.0	FP-06265-14	300	
D. Green, large	12¼	31.1	FP-06265-16	150	
E. Opaque, sterile	8¾	22.2	FP-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	FP-06283-10	10	
6½	16.5	FP-06283-20	12	
8	20.3	FP-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



Buy More...Save More!

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

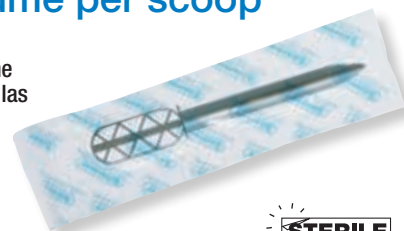
End styles	Overall length		Qty/pk	Catalog number	Price/1 pk
	in.	cm			
A. Spooned [†] /flat	5¾	14.6	3	FP-06369-09 [†]	
B. V-shaped/sharpened bent tip	6¼	15.9	3	FP-06369-08	
C. Spooned [†] /plastisol handle	6½	16.5	3	FP-06369-03 [†]	
D. Tapered/rounded	8	20.3	3	FP-06369-06	
E. Rounded/rounded	8¼	21.0	3	FP-06369-05	
F. Tapered/rounded	7½	18.1	3	FP-06369-07	
G. Squared/rounded	7½	19.1	3	FP-06369-18	
H. Spooned/squared	8½	22.5	3	FP-06369-16	

[†]Hayman type end

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

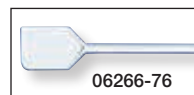


Overall length	Catalog number	Qty/cs	Price/cs
9" (22.9 cm)	FP-06262-00	100	

Stirring, Scraping Paddles, HDPE/Nylon

Easily sample from large vessels

- Made of high-density polyethylene (HDPE)
- Nylon scraping paddles will not scratch glass



Blade type	Blade (L x W)		Handle length		Catalog number	Qty	Price
	in.	cm	in.	cm			
HDPE stirring paddle							
Firm	3 x 2	7.6 x 5.1	20	50.8	FP-06266-70	4	
	6 x 3	15.2 x 7.6	36	91.4	FP-06266-72	4	
	6 x 3	15.2 x 7.6	72	182.9	FP-06266-74	1	
Nylon scraping paddles							
Firm	7 x 4½	17.8 x 11.4	40	101.6	FP-06266-76	1	
Soft	7 x 4½	17.8 x 11.4	40	101.6	FP-06266-78	1	

Glass Stir Rods

Get increased chemical resistance

- Borosilicate glass with rounded annealed ends
- Highly chemical resistant and withstands temperatures to 400°F (205°C).
- Autoclavable

Diameter	Length		Catalog number	Qty/pk	Price/pk	Catalog number	Qty/pk	Price/pk
	in.	cm						
½	3.2	6	15.2	FP-06369-21	25		FP-06369-31	200
¼	6.4	9¾	25.1	FP-06369-23	25		FP-06369-33	100
¾	9.5	14¾	37.5	FP-06369-25	25		FP-06369-35	100

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	FP-06278-15	6	
13½	34.3	FP-06278-25	6	
16½	41.9	FP-06278-35	6	



Cole-Parmer® Hot Plates, Single- and Multiposition Stirrers, and Stirring Hot Plates

Get to work faster—reach max temperature in two minutes

- Stir bar doesn't dance—unique U-shaped magnet holds stir bar tightly
- Front-panel controls are positioned to prevent you from touching the hot plate
- Choose corrosion-resistant ceramic or more uniform aluminum top
- Stepless speed control provides smooth stirring action to 1500 rpm

Hot Plates have an epoxy-coated cast-aluminum body that is designed for durability and stability.

Single-Position Stirrers and Stirring Hot Plates have a large, permanent drive magnet, ensuring positive coupling of drive to stir bar. Permanently lubricated, brushless drive motor provides long, trouble-free operation.

Multiposition Stirrers and Stirring Hot Plates come with five or nine stirring positions, each individually controlled so you can perform different mixing applications simultaneously.

Mix multiple samples independently



Stirrers & Hot Plates

Specifications

Temperature stability: ±5°C of set temperature



230 VAC models

No. of stirring positions	Volume per position	Top plate		Heating		Speed range	Power		Catalog number	Price
		Dimensions	Material	Temp range	Max load		VAC	Hz		
Hot plates										
—	—	6" x 6" (15.2 x 15.2 cm)	Aluminum	120 to 700°F (49 to 371°C)	10 lb (4.5 kg)	—	115	60	FP-04801-00	
—	—	6" x 6" (15.2 x 15.2 cm)	Ceramic	120 to 842°F (49 to 450°C)	10 lb (4.5 kg)	—	115	60	FP-04801-04	
—	—	12" x 12" (30.5 x 30.5 cm)	Aluminum	120 to 700°F (49 to 371°C)	25 lb (11.4 kg)	—	230	50	FP-04801-06	
—	—	12" x 12" (30.5 x 30.5 cm)	Aluminum	120 to 700°F (49 to 371°C)	25 lb (11.4 kg)	—	115	60	FP-04801-10	
—	—	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 842°F (49 to 450°C)	25 lb (11.4 kg)	—	230	50	FP-04801-12	
—	—	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 842°F (49 to 450°C)	25 lb (11.4 kg)	—	115	60	FP-04801-14	
—	—	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 842°F (49 to 450°C)	25 lb (11.4 kg)	—	230	50	FP-04801-16	
Single-position stirrers										
1	2.5 L	6" x 6" (15.2 x 15.2 cm)	Aluminum	—	15 lb (6.8 kg)	100 to 1500 rpm	115	60	FP-04802-01	
	10 L	12" x 12" (30.5 x 30.5 cm)	Aluminum	—	25 lb (11.4 kg)		230	50	FP-04802-03	
1	2.5 L	6" x 6" (15.2 x 15.2 cm)	Aluminum	—	15 lb (6.8 kg)	100 to 1500 rpm	115	60	FP-04802-11	
	10 L	12" x 12" (30.5 x 30.5 cm)	Aluminum	—	25 lb (11.4 kg)		230	50	FP-04802-13	
Single-position stirring hot plates										
1	2.5 L	6" x 6" (15.2 x 15.2 cm)	Aluminum	120 to 700°F (49 to 371°C)	15 lb (6.8 kg)	100 to 1500 rpm	115	60	FP-04803-01	
	2.5 L	6" x 6" (15.2 x 15.2 cm)	Ceramic	120 to 842°F (49 to 450°C)	15 lb (6.8 kg)		230	50	FP-04803-03	
1	10 L	12" x 12" (30.5 x 30.5 cm)	Aluminum	120 to 700°F (49 to 371°C)	25 lb (11.4 kg)	100 to 1500 rpm	115	60	FP-04803-05	
	10 L	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 842°F (49 to 450°C)	25 lb (11.4 kg)		230	50	FP-04803-07	
1	10 L	12" x 12" (30.5 x 30.5 cm)	Aluminum	120 to 700°F (49 to 371°C)	25 lb (11.4 kg)	100 to 1500 rpm	115	60	FP-04803-11	
	10 L	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 752°F (49 to 400°C)	25 lb (11.4 kg)		230	50	FP-04803-13	
1	10 L	12" x 12" (30.5 x 30.5 cm)	Aluminum	120 to 700°F (49 to 371°C)	25 lb (11.4 kg)	100 to 1500 rpm	115	60	FP-04803-15	
	10 L	12" x 12" (30.5 x 30.5 cm)	Ceramic	120 to 752°F (49 to 400°C)	25 lb (11.4 kg)		230	50	FP-04803-17	
Multiposition stirrers										
5	800 mL	12" x 12" (30.5 x 30.5 cm)	Ceramic	—	—	100 to 1500 rpm	120	60	FP-51450-21	
							230	50	FP-51450-26	
9	400 mL	12" x 12" (30.5 x 30.5 cm)	Ceramic	—	—	100 to 1500 rpm	120	60	FP-51450-23	
							230	50	FP-51450-28	
Multiposition stirring hot plates										
5	800 mL	12" x 12" (30.5 x 30.5 cm)	Ceramic	212 to 845°F (100 to 450°C)	40 lb (18.2 kg)	100 to 1500 rpm	120	60	FP-51450-71	
							230	50	FP-51450-76	
9	400 mL	12" x 12" (30.5 x 30.5 cm)	Ceramic	212 to 845°F (100 to 450°C)	40 lb (18.2 kg)	100 to 1500 rpm	120	60	FP-51450-73	
							230	50	FP-51450-78	

Cole-Parmer® Stir Bar Kits

- Chemically inert, low-friction, leakproof PTFE coating provides maximum energy transfer
- Available with or without spinning rings; rings reduce friction and noise

Bar type	With spinning ring	Without spinning ring
Catalog number	FP-04775-99	FP-04775-98
Length x diameter†	Two each of the following sizes: 1/2" x 5/16", 5/8" x 5/16", 1" x 3/8", 1 1/2" x 3/8", 2" x 3/8"	Two each of the following sizes: 7/16" x 3/16", 1/2" x 5/16", 3/4" x 5/16", 1" x 3/8", 1 1/4" x 3/8", 1 1/2" x 3/8", 2" x 3/8", 2 1/2" x 1/2", 3" x 1/2"
Total/pk	12 stir bars	18 stir bars
Price/pk		

†Diameter given does not include the diameter of the spinning ring.



Cole-Parmer® StableTemp™ Stirrers and Stirring Hot Plates

Get precise speed and temperature control across range

- Stay safe—hot surface warning until plate cools below 50°C
- Don't worry about spills—liquids diverted away from internal components for longer life
- Improved accuracy with LED display
- Corrosion-resistant ceramic top

Advanced Stirring Hot Plate

- More accurate results with separate heat and stirring displays
- Protect you and your sample with overtemperature protection
- Includes temperature probe, rod, and clamp

Models with aluminum top plate also available at ColeParmer.ca



StableTemp

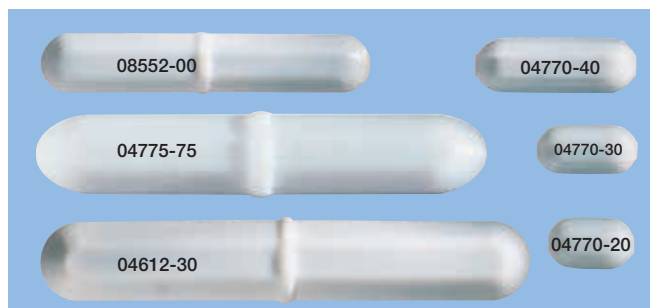


Top plate		Heating		Stirring		Power		Catalog number	Price
Dimensions	Material	Temp range	Max load	Speed range	Max capacity	VAC	Hz		
StableTemp stirrers									
4" x 4" (10.2 x 10.2 cm)	Ceramic	—	—	30 to 1200 rpm	1 L	120 230	50/60 50/60	FP-03406-00 FP-03406-05	
7" x 7" (17.8 x 17.8 cm)	Ceramic	—	—	30 to 1200 rpm	4 L	120 230	50/60 50/60	FP-03406-10 FP-03406-15	
10" x 10" (25.4 x 25.4 cm)	Ceramic	—	—	30 to 1200 rpm	6 L	120 230	50/60 50/60	FP-03406-30 FP-03406-35	
StableTemp stirring hot plates									
4" x 4" (10.2 x 10.2 cm)	Ceramic	86 to 1004°F (30 to 540°C)	15 lb (6.8 kg)	30 to 1200 rpm	1 L	120 230	50/60 50/60	FP-03407-00 FP-03407-05	
7" x 7" (17.8 x 17.8 cm)	Ceramic	86 to 1004°F (30 to 540°C)	25 lb (11.4 kg)	30 to 1200 rpm	4 L	120 230	50/60 50/60	FP-03407-10 FP-03407-15	
10" x 10" (25.4 x 25.4 cm)	Ceramic	86 to 752°F (30 to 400°C)	35 lb (15.9 kg)	30 to 1200 rpm	6 L	120 230	50/60 50/60	FP-03407-30 FP-03407-35	
StableTemp advanced stirring hot plate									
7" x 7" (17.8 x 17.8 cm)	Ceramic	86 to 1004°F (30 to 540°C)	25 lb (11.4 kg)	30 to 1200 rpm	4 L	120 230	50/60 50/60	FP-03407-40 FP-03407-45	

Cole-Parmer® Mono-Mold® Stir Bars

Resist spin out at high speeds

- Super-strong alnico V magnets remain coupled to drive magnets even at high speeds
- Chemically inert, low-friction, leakproof PTFE coating provides smooth spinning and maximum energy transfer



Size		With spinning ring		Without spinning ring	
Length	Diameter†	Cat. no.	Price	Cat. no.	Price
7/16" (11.1 mm)	3/16" (4.8 mm)	—	—	FP-04775-10	
1/2" (12.7 mm)	5/16" (7.9 mm)	FP-08548-00		FP-04770-20	
5/8" (15.9 mm)	5/16" (7.9 mm)	FP-08549-00		FP-04770-30	
1" (25.4 mm)	3/8" (9.5 mm)	FP-08550-00		FP-04770-40	
1 1/2" (38.1 mm)	3/8" (9.5 mm)	FP-08551-00		FP-04770-50	
2" (50.8 mm)	3/8" (9.5 mm)	FP-08552-00		FP-04770-60	
2 1/2" (63.5 mm)	3/8" (9.5 mm)	FP-04775-75		—	—
2 1/2" (63.5 mm)	1/2" (12.7 mm)	—	—	FP-04770-70	
3" (76.2 mm)	1/2" (12.7 mm)	FP-04612-30		FP-04612-40	

†Diameter given does not include the diameter of the spinning ring.

Cole-Parmer® Slim-Line® Stir Bars

Get complete mixing

- Slimmer profile and larger length to diameter ratio
- Available with or without spinning rings



Size		With spinning ring		Without spinning ring	
Length	Diameter†	Cat. no.	Price	Cat. no.	Price
1" (25.4 mm)	5/16" (7.9 mm)	FP-04775-45		FP-04775-40	
1 1/2" (38.1 mm)		FP-04775-55		FP-04775-50	
2" (50.8 mm)		FP-04775-65		FP-04775-60	

†Diameter given does not include the diameter of the spinning ring.



Cole-Parmer® Solid Laboratory Stoppers, Rubber or Neoprene

No guessing sizes—stopper has size raised on top

Black Rubber Stoppers stay pliable over a long period and withstand laboratory conditions without hardening. Stoppers retain resiliency even after repeated autoclaving. Contain some sulfur. **Autoclavable.**

Green Neoprene Stoppers withstand petroleum products, fats, oils, and organic chemicals. Stoppers exhibit good resiliency and shelf-life. Contain no sulfur. **Autoclavable.**

“Exactly as promised.”



Buy More...Save More!

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

Standard size no.	Top dia (mm)	Bottom dia (mm)	Height (mm)	Black rubber stoppers			Green neoprene stoppers		
				Catalog number	Qty/pk†	Price/pk	Catalog number	Qty/pk†	Price/pk
000	12.7	8.2	21	FP-62990-00	181		FP-62991-00	160	
00	15	10	25	FP-62990-02	105		FP-62991-02	95	
0	17	13	25	FP-62990-04	77		FP-62991-04	68	
1	19	14	25	FP-62990-06	57		FP-62991-06	48	
2	20	16	25	FP-62990-08	52		FP-62991-08	44	
3	24	18	25	FP-62990-10	39		FP-62991-10	32	
4	26	20	25	FP-62990-12	33		FP-62991-12	27	
5	27	23	25	FP-62990-14	28		FP-62991-14	23	
5½	28	24	25	FP-62990-16	26		FP-62991-16	23	
6	32	26	25	FP-62990-18	20		FP-62991-18	17	
6½	34	27	25	FP-62990-20	18		FP-62991-20	15	
7	37	30	25	FP-62990-22	15		FP-62991-22	12	
7½	39	31	25	FP-62990-24	14		FP-62991-24	13	
8	41	33	25	FP-62990-26	12		FP-62991-26	10	
8½	43	36	25	FP-62990-28	12		FP-62991-28	11	
9	45	37	25	FP-62990-30	10		FP-62991-30	8	
9½	46	38	25	FP-62990-32	9		FP-62991-32	9	
10	50	42	25	FP-62990-34	8		FP-62991-34	8	
10½	53	45	25	FP-62990-36	7		FP-62991-36	7	
11	56	48	25	FP-62990-38	6		FP-62991-38	6	
11½	63	50	25	FP-62990-40	5		FP-62991-40	4	
12	64	54	25	FP-62990-42	5		FP-62991-42	5	
13	68	58	25	FP-62990-44	4		FP-62991-44	4	
13½	75	62	35	FP-62990-46	3		FP-62991-46	3	
14	90	75	39	FP-62990-48	1		FP-62991-48	1	
15	103	83	39	FP-62990-50	1		FP-62991-50	1	
16	127	90	50	FP-62990-52	1		FP-62991-52	1	
Assortment pack, sizes 00 to 8				FP-62990-90	5 lb		FP-62991-90	5 lb	

†The quantity per pack given is an approximate number based on the average number of stoppers in one pound.

Solid Color-Coded Stoppers, Silicone

Fit a wide range of holes—flexible construction for easy fit

- Lightweight stoppers float if dropped in water
- Handle temperatures from –76 to 392°F (–60 to 200°C)
- Easily adapt to your needs—bore holes for thermometer or tubing addition
- Autoclavable



Buy More...Save More!

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

Standard size no.	Japanese size no.	Top dia (mm)	Bottom dia (mm)	Height (mm)	Color	Catalog number	Qty/pk	Price/pk
000	03	12	8	20	White	FP-06298-00	50	
00	01-02	15	11	22	Yellow	FP-06298-02	50	
0	1-2	17.5	13	25	Green	FP-06298-04	50	
2	3-4	20	15.5	27	Pink	FP-06298-06	20	
4	5-7	25	19	30	Blue	FP-06298-08	20	
5	8-9	30	23	33	White	FP-06298-10	10	
6½	10-11	35	28	35	Yellow	FP-06298-12	10	
8	12-14	40	33	40	Green	FP-06298-14	10	
9½	15-16	46	38	42	Pink	FP-06298-16	5	
10½	17-18	52	44	48	Blue	FP-06298-18	5	
11	19-20	58	49	52	White	FP-06298-20	5	
12	21-23	67	56	52	Yellow	FP-06298-22	1	
13½	24-26	77	65	52	Green	FP-06298-24	1	
14	27-29	87	75	52	Pink	FP-06298-26	1	

Hamilton Standard Microliter® Syringes

Provide precise liquid delivery—from 10 to 500 µL

Syringes with Cemented and Removable needles include a 304 stainless steel needle with a noncoring beveled tip—ideal for septum penetration in all chromatographic techniques. If you use large numbers of syringes, choose one of our convenient “economy packs” containing six 10-µL syringes with cemented or removable needles. Each pack is in a protective storage container and includes a set of adhesive-backed numbers for syringe identification.

Syringes with Luer Tip Connections do not include a needle; order needles separately; see ColeParmer.ca.



Syringes		Needles		Catalog number	Price/ea	Economy packs	
Capacity	Type	Gauge†	Tip type			Catalog number	Price/pk of 6
10 µL	Cemented needle	26s	Noncoring beveled	FP-07938-00		FP-07938-30	
	Removable needle			FP-07938-10			
25 µL	Cemented needle	22s	Noncoring beveled	FP-07938-01		—	—
	Removable needle			FP-07938-11			
	Luer tip†			FP-07938-21			
50 µL	Cemented needle	22s	Noncoring beveled	FP-07938-02		—	—
	Removable needle			FP-07938-12			
	Luer tip†			FP-07938-22			
100 µL	Cemented needle	22s	Noncoring beveled	FP-07938-03		—	—
	Removable needle			FP-07938-13			
	Luer tip†			FP-07938-23			
250 µL	Cemented needle	22s	Noncoring beveled	FP-07938-04		—	—
	Removable needle			FP-07938-14			
	Luer tip†			FP-07938-24			
500 µL	Cemented needle	22s	Noncoring beveled	FP-07938-05		—	—
	Removable needle			FP-07938-15			
	Luer tip†			FP-07938-25			

†Luer tip syringes do not include a needle; order separately.

‡An “s” denotes “small bore”—reduces dead volume and provides impedance to improve transfer accuracy.

BD™ Disposable Syringes

Luer-Lok™ tips allow for easy connection of syringe filters

Use these latex-free, disposable polycarbonate syringes for your general-purpose applications. Available in either Luer-Lok or slip-tip versions. Autoclavable.



Capacity	Graduations	Type	Qty	Catalog number	Price
Sterilized syringes, individually wrapped					
1 mL	1/100 mL	Luer-Lok	100/bx	FP-07940-00	
3 mL	1/10 mL	Luer-Lok	200/bx	FP-07940-02	
		Slip tip		FP-07940-04	
5 mL	1/5 mL	Luer-Lok	100/bx	FP-07940-06	
		Slip tip	125/bx	FP-07940-08	
10 mL	1/5 mL	Luer-Lok	100/bx	FP-07940-12	
		Slip tip		FP-07940-14	
60 mL	1 mL, 2 oz in 1/4 oz	Luer-Lok	40/bx	FP-07940-30	
		Slip tip		FP-07940-28	
Nonsterilized syringes					
1 mL	1/100 mL	Slip tip	100/pk	FP-07944-00	
3 mL	1/10 mL	Luer-Lok	100/pk	FP-07944-02	
		Slip tip		FP-07944-04	
5 mL	1/5 mL	Luer-Lok	100/pk	FP-07944-06	
		Slip tip		FP-07944-08	
10 mL	1/5 mL	Luer-Lok	50/pk	FP-07944-12	
		Slip tip		FP-07944-14	
20 mL	1 mL, 3/4 oz in 1/8 oz	Luer-Lok	25/pk	FP-07944-16	
		Slip tip		FP-07944-18	

Capacity	Graduations	Type	Qty	Catalog number	Price
Nonsterilized syringes (cont.)					
30 mL	1 mL, 1 oz in 1/8 oz	Luer-Lok	25/pk	FP-07944-24	
		Slip tip		FP-07944-22	
60 mL	1 mL, 2 oz in 1/4 oz	Luer-Lok	25/pk	FP-07944-28	
		Slip tip		FP-07944-30	
Nonsterilized syringes, bulk pack					
1 mL	1/100 mL	Slip tip	3000/cs	FP-07945-00	
3 mL	1/10 mL	Luer-Lok	1600/cs	FP-07945-02	
		Slip tip		FP-07945-04	
5 mL	1/5 mL	Luer-Lok	1400/cs	FP-07945-06	
		Slip tip		FP-07945-08	
10 mL	1/5 mL	Luer-Lok	850/cs	FP-07945-12	
		Slip tip		FP-07945-14	
20 mL	1 mL, 3/4 oz in 1/8 oz	Luer-Lok	325/cs	FP-07945-16	
		Slip tip		FP-07945-18	
30 mL	1 mL, 1 oz in 1/8 oz	Luer-Lok	225/cs	FP-07945-24	
		Slip tip		FP-07945-22	
60 mL	1 mL, 2 oz in 1/4 oz	Luer-Lok	125/cs	FP-07945-28	
		Slip tip		FP-07945-30	

Warning—These products are not approved or intended for, and should not be used for, medical, clinical, surgical or other patient oriented applications.



Hamilton Gastight® High-Performance Micro and Macro Syringes

Gas- and liquid-tight up to 200 psi!

Syringes handle corrosive gases and liquids, radioactive materials, and sterile solutions—ideal for gas and liquid chromatography. Sample loss is negligible at pressures up to 200 psi, depending on bore diameter.

These chemically inert syringes have PTFE-coated plungers (50- and 100- μ L models have stainless steel plunger with removable PTFE tip). Barrels and plungers are interchangeable within each syringe size, allowing field repair.

Cemented Needle Syringes include an epoxy-cemented, 304 stainless steel needle with noncoring tip. Not for use at temperatures above 122°F (50°C).

Removable Needle Syringes use a threaded hub and PTFE sealing ferrule that can be tightened to compensate for wear. Syringes include a 304 stainless steel needle with noncoring tip. Do not heat above 239°F (115°C); autoclavable when disassembled.

Syringes with Luer Tip and PTFE Luer-Lok™ Connections feature a ground glass, luer taper. Autoclavable if plunger is removed. Needles are not included; order separately below.



Micro syringe 07939-02 with cemented needle



Macro syringe 07939-63 with removable needle

Syringes

Micro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge†	Tip type		
10 μ L	Cemented needle	26s	Noncoring beveled	FP-07939-00	
	Removable needle			FP-07939-10	
	Luer tip†			FP-07939-20	
25 μ L	Cemented needle	22s	Noncoring beveled	FP-07939-01	
	Removable needle			FP-07939-11	
	Luer tip†			FP-07939-21	
50 μ L	Cemented needle	22s	Noncoring beveled	FP-07939-02	
	Removable needle			FP-07939-12	
	Luer tip†			FP-07939-22	
	PTFE luer-lock†			FP-07939-32	
100 μ L	Cemented needle	22s	Noncoring beveled	FP-07939-03	
	Removable needle			FP-07939-13	
	Luer tip†			FP-07939-23	
	PTFE luer-lock†			FP-07939-33	
250 μ L	Cemented needle	22s	Noncoring beveled	FP-07939-04	
	Removable needle			FP-07939-14	
	Luer tip†			FP-07939-24	
	PTFE luer-lock†			FP-07939-34	
500 μ L	Cemented needle	22	Noncoring beveled	FP-07939-05	
	Removable needle			FP-07939-15	
	Luer tip†			FP-07939-25	
	PTFE luer-lock†			FP-07939-35	

†Luer tip and luer-lock syringes do not include a needle; order separately below.

‡An "s" denotes "small bore"—reduces dead volume and improves transfer accuracy.

Macro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge	Tip type		
1.0 mL	Cemented needle	22	Noncoring beveled	FP-07939-50	
	Removable needle			FP-07939-60	
	Luer tip††			FP-07939-70	
1.25 mL	PTFE luer-lock††	22	Noncoring beveled	FP-07939-80	
	Cemented needle			FP-07939-51	
	Luer tip††			FP-07939-71	
2.5 mL	Cemented needle	22	Noncoring beveled	FP-07939-52	
	Removable needle			FP-07939-62	
	Luer tip††			FP-07939-72	
	PTFE luer-lock††			FP-07939-82	
5 mL	Cemented needle	22	Noncoring beveled	FP-07939-53	
	Removable needle			FP-07939-63	
	Luer tip††			FP-07939-73	
	PTFE luer-lock††			FP-07939-83	
10 mL	Cemented needle	22	Noncoring beveled	FP-07939-54	
	Removable needle			FP-07939-64	
	Luer tip††			FP-07939-74	
	PTFE luer-lock††			FP-07939-84	
25 mL	PTFE luer-lock††	—	—	FP-07939-85	
50 mL	PTFE luer-lock††	—	—	FP-07939-86	

††Luer tip and luer-lock syringes do not include a needle; order separately below.

Hamilton Syringe Needles

Ideal for chromatography and general use

All needles are made of stainless steel. The noncoring deflected tips are used for septum piercing applications such as gas chromatography. The 90° blunt end tips are used for HPLC injections and pipetting. The noncoring conical needle with side port is ideal for penetration of septa, thin-gauged vinyls and plastics.



Removable-Type Needles

for volumes from 0.5 μ L to 100 μ L

Gauge†	Tip type	Qty/pk	Catalog number	Price/pk
26s	Noncoring	6	FP-07938-83	
26s	90° blunt end	6	FP-25702-60	
26s	Conical	6	FP-25703-80	
22s	Conical	6	FP-25703-81	
22s	Noncoring	6	FP-07938-84	
22s	90° blunt end	6	FP-25702-61	
22	Conical	6	FP-25702-62	

Removable-Type Needles

for volumes from 250 μ L to 10 mL

Gauge†	Tip type	Qty/pk	Catalog number	Price/pk
26s	Conical	6	FP-25703-82	
22s		6	FP-25703-83	
22s		6	FP-07938-85	
22	Noncoring	6	FP-07938-86	
22s		6	FP-25702-63	
22		6	FP-25702-64	

Luer Tip and Luer-Lock Hypodermic Needles with PCTFE hub

Gauge†	Tip type	Qty/pk	Catalog number	Price/pk
26s	Noncoring	6	FP-07938-95	
26			FP-07938-96	
26s			FP-25703-84	
26	Conical	6	FP-25703-85	
22s			FP-07938-97	
22			FP-07938-98	
22s	Noncoring	6	FP-25703-86	
22			FP-25703-87	
22			FP-25703-87	

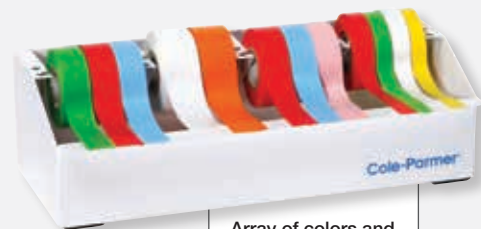
†An "s" denotes "small bore"—reduces dead volume and provides impedance to improve transfer accuracy.

Warning—The products on this page are not approved or intended for, and should not be used for, medical, clinical, surgical or other patient oriented applications.

Cole-Parmer® Write-On Colored Tape and Dispenser

Easily identify samples by color-coding

- Withstands water, oil, and acid
- Easy-write surface accommodates pencil, pen, or permanent marker
- Use in temperatures from -10 to 250°F (-23 to 121°C)
- Optional dispenser for easier tearing



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.	RI/pk	Price	Cat. no.	RI/pk	Price	Cat. no.	RI/pk	Price
White	FP-06530-21	6		FP-06530-31	4		FP-06530-41	3	
Yellow	FP-06530-22	6		FP-06530-32	4		FP-06530-42	3	
Green	FP-06530-23	6		FP-06530-33	4		FP-06530-43	3	
Pink	FP-06530-24	6		FP-06530-34	4		FP-06530-44	3	
Red	FP-06530-25	6		FP-06530-35	4		FP-06530-45	3	
Orange	FP-06530-26	6		FP-06530-36	4		FP-06530-46	3	
Blue	FP-06530-27	6		FP-06530-37	4		FP-06530-47	3	
Assorted pack†	FP-06530-28	24		FP-06530-38	16		FP-06530-48	12	

† Assorted pack contains each color above.

FP-06530-11 Tape dispenser

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® 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



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	FP-86209-30		FP-86209-40	
Yellow	FP-86209-31		FP-86209-41	
Orange	FP-86209-32		FP-86209-42	
Red	FP-86209-33		FP-86209-43	
Green	FP-86209-34		FP-86209-44	
Blue	FP-86209-35		FP-86209-45	
Black	FP-86209-37		FP-86209-47	

FP-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)	25 ft (7.6 m)	FP-08277-50	
1" (2.5 cm)		FP-08277-55	

Wait!

There's More at ColeParmer.ca

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)	FP-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)	2.5	36 ft (10.9 m)	FP-08277-78	
¼" (0.6 cm)			FP-08277-79	
½" (1.3 cm)			FP-08277-80	
¾" (1.9 cm)	2.5	36 ft (10.9 m)	FP-08277-81	
1" (2.5 cm)			FP-08277-82	
1½" (3.8 cm)			FP-08277-83	



Irreversible High-Temperature Labels

Save time and money due to costly recalls

- Used as a quick inspection tool that the product is in usable condition during the shipping and receiving process
- Self-adhesive design

Labels are made up of a series of temperature-sensitive elements sealed between heat-resistant substrates with transparent windows. Each element changes color distinctly as its rated temperature is met or exceeded. The changes to the label are irreversible, providing a temperature history of the surface being monitored. The labels will not delaminate when removed, allowing them to be attached to an inspection report to serve as a permanent record. Ideal for use in the food, automotive, molding and metal working industries. Accuracy is $\pm 1^{\circ}\text{C}$ from 29 to 99°C , $\pm 1.5^{\circ}\text{C}$ from 100 to 154°C , and $\pm 1\% + 1^{\circ}\text{C}$ from 160 to 280°C . Shelf life: one year after date of purchase.

A. One-Temperature Point—Square Labels

Temperature point		Dimensions (W x H)		Catalog number	Price/pk of 50*
$^{\circ}\text{F}$	$^{\circ}\text{C}$	in.	mm		
84	29	1/2 x 1/2	13 x 13	FP-08068-31 [†]	
93	34			FP-08068-32 [†]	
99	37	1/2 x 1/2	13 x 13	FP-08068-33 [†]	
104	40			FP-08068-34 [†]	
108	42	1/2 x 1/2	13 x 13	FP-08068-35 [†]	
111	44			FP-08068-36 [†]	
115	46	1/2 x 1/2	13 x 13	FP-90309-00 [†]	
140	60			FP-90309-05	
160	71	1/2 x 1/2	13 x 13	FP-90309-10	
171	77			FP-90309-15	
180	82	1/2 x 1/2	13 x 13	FP-90309-20	
190	88			FP-90309-25	
210	99	1/2 x 1/2	13 x 13	FP-90309-30	
230	110			FP-90309-35	
250	121	1/2 x 1/2	13 x 13	FP-90309-40	
261	127			FP-90309-45	
320	160			FP-90309-50	

B. Four-Temperature Points—Micro Horizontal Labels

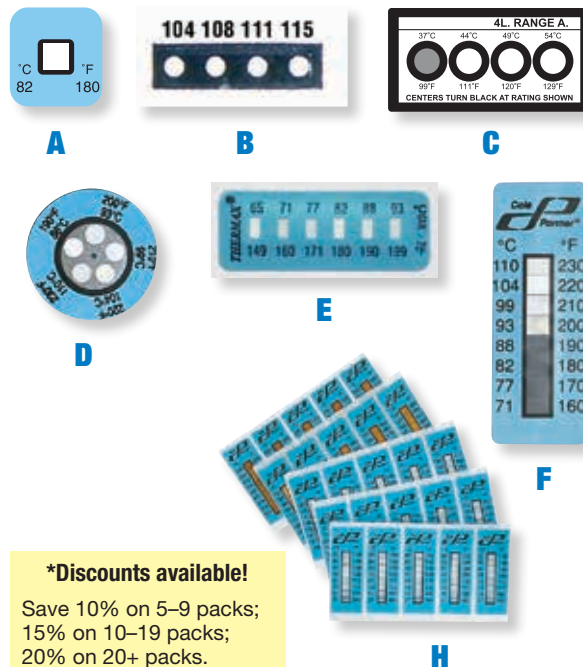
Temperature points	Dimensions (W x H)		Catalog number	Price/pk of 10*
	in.	mm		
104, 108, 111, 115 $^{\circ}\text{F}$	1/6 x 1/2	4 x 13	FP-08068-41 [†]	
120, 129, 140, 149 $^{\circ}\text{F}$			FP-08068-42 [†]	
160, 171, 180, 190 $^{\circ}\text{F}$	1/6 x 1/2	4 x 13	FP-08068-43	
199, 210, 219, 230 $^{\circ}\text{F}$			FP-08068-44	
241, 250, 261, 270 $^{\circ}\text{F}$	1/6 x 1/2	4 x 13	FP-08068-45	
280, 289, 300, 309 $^{\circ}\text{F}$			FP-08068-46	
320, 331, 340, 351 $^{\circ}\text{F}$			FP-08068-47	

C. Four-Temperature Points—Horizontal Labels

Temperature points		Dimensions (W x H)		Catalog number	Price/pk of 10*
$^{\circ}\text{F}$	$^{\circ}\text{C}$	in.	mm		
99, 111, 120, 129	37, 44, 49, 54	7/8 x 1 3/4	22 x 44	FP-90308-40 [†]	
140, 149, 160, 171	60, 65, 71, 77			FP-90308-45	
180, 190, 199, 210	82, 88, 93, 99	7/8 x 1 3/4	22 x 44	FP-90308-50	
219, 230, 241, 250	104, 110, 116, 121			FP-90308-55	
261, 270, 280, 289	127, 132, 138, 143	7/8 x 1 3/4	22 x 44	FP-90308-60	
300, 309, 320, 331	149, 154, 160, 166			FP-90308-65	
340, 351, 361, 370	171, 177, 182, 188	7/8 x 1 3/4	22 x 44	FP-90308-70	
379, 390, 399, 410	193, 199, 204, 210			FP-90308-75	

D. Five-Temperature Points—Round Labels

Temperature points		Dimension (dia)		Catalog number	Price/pk of 25*
$^{\circ}\text{F}$	$^{\circ}\text{C}$	in.	mm		
105, 110, 115, 120, 130	40, 43, 46, 49, 54	5/8	16	FP-90303-20 [†]	
140, 150, 160, 170, 180	60, 65, 71, 77, 82			FP-90303-22	
190, 200, 210, 220, 230	88, 93, 99, 104, 110			FP-90303-24	
240, 250, 260, 270, 280	116, 121, 127, 132, 138			FP-90303-26	
290, 300, 310, 320, 330	143, 149, 154, 160, 166	5/8	16	FP-90303-28	
340, 350, 360, 370, 380	171, 177, 182, 188, 193			FP-90303-30	
390, 399, 410, 421, 435	199, 204, 210, 216, 224	5/8	16	FP-08068-21	
450, 466, 480, 489, 500	232, 241, 249, 254, 260			FP-08068-23	



***Discounts available!**
 Save 10% on 5–9 packs;
 15% on 10–19 packs;
 20% on 20+ packs.

E. Six-Temperature Points—Horizontal Labels

Temperature points		Dimensions (W x H)		Catalog number	Price/pk of 10*
$^{\circ}\text{F}$	$^{\circ}\text{C}$	in.	mm		
84, 91, 93, 99, 104, 108	29, 33, 34, 37, 40, 42	1/2 x 1 1/4	13 x 32	FP-90308-91 [†]	
111, 115, 120, 129, 140, 144	44, 46, 49, 54, 60, 62	1/2 x 1 1/4	13 x 32	FP-90308-92 [†]	
149, 160, 171, 180, 190, 199	65, 71, 77, 82, 88, 93	1/2 x 1 1/4	13 x 32	FP-90308-93	
210, 219, 230, 241, 250, 261	99, 104, 110, 116, 121, 127	1/2 x 1 1/4	13 x 32	FP-90308-94	
270, 280, 289, 300, 309, 320	132, 138, 143, 149, 154, 160	1/2 x 1 1/4	13 x 32	FP-90308-95	
331, 340, 351, 360, 370, 379	166, 171, 177, 182, 188, 193	1/2 x 1 1/4	13 x 32	FP-90308-96	
390, 399, 410, 421, 435, 450	199, 204, 210, 216, 224, 232	1/2 x 1 1/4	13 x 32	FP-90308-97	
460, 480, 489, 500, 536, 554	240, 249, 254, 260, 280, 290	1/2 x 1 1/4	13 x 32	FP-90308-98	

F–H. Eight- and Nine-Temperature Points—Vertical Labels

Temperature points	Dimensions (W x H)		Catalog number	Price/pk of 25*
	in.	mm		
F. Eight-point				
100, 105, 110, 115, 120, 130, 140, 150 $^{\circ}\text{F}$ (37, 40, 43, 46, 49, 54, 60, 65 $^{\circ}\text{C}$)	3/4 x 2	19 x 51	FP-08068-20 [†]	
160, 170, 180, 190, 200, 210, 220, 230 $^{\circ}\text{F}$ (71, 77, 82, 88, 93, 99, 104, 110 $^{\circ}\text{C}$)	3/4 x 2	19 x 51	FP-08068-22	
240, 250, 260, 270, 280, 290, 300, 310 $^{\circ}\text{F}$ (116, 121, 127, 132, 138, 143, 149, 154 $^{\circ}\text{C}$)	3/4 x 2	19 x 51	FP-08068-24	
320, 330, 340, 350, 360, 370, 380, 390 $^{\circ}\text{F}$ (160, 166, 171, 177, 182, 188, 193, 199 $^{\circ}\text{C}$)	3/4 x 2	19 x 51	FP-08068-26	
G. Nine-point (not shown)				
400, 410, 420, 435, 450, 465, 480, 490, 500 $^{\circ}\text{F}$ (204, 210, 216, 224, 232, 240, 249, 254, 260 $^{\circ}\text{C}$)	3/4 x 2	19 x 51	FP-08068-28	
H. Eight- and nine-point label kit				
Contains five labels of each of the five types of indicators shown in the table above			FP-08068-90 [†]	

[†]Note: Express shipping by air is required to prevent activation while in transit.

Temperature

Digi-Sense® Blue Spirit Certified Glass Thermometers

Be more accurate with your readings

- Nonmercury blue spirit liquid and white background for easy reading
- NIST-traceable, laminated report of calibration included

Thermometers are individually calibrated to NIST standards at specific temperatures and come with a NIST-traceable calibration report supplied by the manufacturer stating corrections to one-tenth the smallest division.



Temperature range	Scale divisions	Accuracy	Length	Calibration points	Partial immersion			Total immersion	
					Catalog number	Immersion depth	Price	Catalog number	Price
Celsius-scale thermometers									
-100 to 50°C	1°	2°, 3° below 50°C	300 mm	-78, -20, 0, 4, 37°C	FP-00708-00	76 mm		—	—
-20 to 110°C	1°	±1.5°C	300 mm	0, 50, 100°C	FP-00708-01	76 mm		FP-00708-05	—
-20 to 110°C	1°	±1.5°C	300 mm	0, 37, 56°C	FP-90300-11	76 mm		—	—
-20 to 150°C	1°	±1.5°; 2°C above 105°C	300 mm	0, 60, 120°C	FP-00708-02	76 mm		FP-00708-06	—
-10 to 70°C	0.5°	±1°C	300 mm	0, 37, 56°C	FP-00708-03	76 mm		—	—
-1 to 51°C	0.1°	±1°C	460 mm	0, 10, 20, 30, 37, 40, 50°C	FP-90300-13	76 mm		FP-90300-22	—
-1 to 61°C	0.1	±1°C	420 mm	0, 37, 56°C	FP-00708-04	76 mm		—	—
-10 to 225°C	1°	±1°C	300 mm	1, 100, 200°C	—	—	—	FP-00708-07	—
-1 to 101°C	0.1°	±1°C	610 mm	0, 50, 100°C	—	—	—	FP-00708-08	—
-1 to 101°C	0.1°	±1°C	610 mm	0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100°C	FP-90300-15	76 mm		FP-90300-21	—
-1 to 201°C	0.2°	0.7°, 1° above 100°C	610 mm	0, 25, 37, 44.6, 100, 121, 140, 150, 160, 200°C	—	—	—	FP-90300-23	—
-1 to 201°C	0.2°	1°, 1.5° above 100°C	610 mm	0, 20, 37, 56, 80, 100, 121, 150°C	FP-90300-19	76 mm		—	—
Fahrenheit-scale thermometers									
30 to 124°F	0.2°	±2°F	460 mm	32, 40, 60, 100, 120°F	FP-90300-17	76 mm		—	—
0 to 300°F	2°	±3°; 4° above 220°F	300 mm	32, 100, 200, 300°F	FP-90300-20	76 mm		—	—

H-B Instrument Easy-Read® Enviro-Safe® Certified Nonhazardous Glass Thermometers

Maximize your accuracy—individually calibrated

- Replace mercury thermometers with the same accuracy without any hazards
- 100% nontoxic, nonhazardous, biodegradable, and “green”—liquid easily cleans with soap and water
- NIST-traceable detailed, laminated Report of Calibration

Each thermometer features a black liquid and yellow back glass which creates a distinct contrast that is easy to read. Thermometers come complete with ring top anti-roll fitting, individual serial number and NIST-traceable calibration report supplied by the manufacturer.



Temperature range	Scale divisions	Accuracy	Length	Calibration points	Partial immersion			Total immersion	
					Catalog number	Immersion depth	Price	Catalog number	Price
Celsius-scale thermometers									
-10 to 70°C	0.5°	0.5°	300 mm	0, 37, 56°C	FP-08008-47	76 mm		—	—
-20 to 110°C	1°	1°	300 mm	0, 50, 100°C	FP-08008-48	76 mm		FP-08008-49	—
-20 to 110°C	1°	1°	300 mm	0, 37, 56°C	FP-08008-52	76 mm		FP-08008-53	—
-20 to 110°C	1°	1°	300 mm	0, 4, 20, 37, 44.5, 103°C	FP-90300-31	76 mm		—	—
-20 to 150°C	1°	1°	300 mm	0, 60, 120°C	FP-08008-50	76 mm		FP-08008-51	—
-10 to 225°C	1°	1°	350 mm	1, 100, 200°C	—	—	—	FP-08008-54	—

Don't Get Burned—Gain More Confidence in Your Readings

Digi-Sense® Precalibrated Thermocouple Thermometers

- Compact, affordable units provide accurate and dependable readings
- No need to worry about reading measurements—large, backlit LCD makes readings easy

General-Purpose Thermocouple Thermometers

Meters accept both type K or J thermo-couple probes with miniconnector. The two- and four-channel models provide data logging of up to 18,000 readings; USB interface lets you easily download data to a PC for analysis with included software.

Professional Thermocouple Thermometers with IR Input

These durable meters deliver accurate readings in an ergonomic design. Models accept type K probes and an optional infrared (IR) wand for noncontact measurements from a distance. Two- and four-channel models continually scan each channel for real-time measurements. Data logging models allow you to download and analyze data fully.



What's included: type K bead wire temperature probe (one for each input), batteries, and NIST-traceable calibration report with data supplied by InnoCal. Data logging models also include USB cable and software.



20250-01

20250-17



Description	General-purpose thermometers			Professional thermocouple thermometers with IR input			
	FP-20250-01	FP-20250-02	FP-20250-03	FP-20250-18	FP-20250-17	FP-20250-19	FP-20250-20
Thermocouple (T/C) inputs	1 (type K or J)	2 (type K or J)	4 (type K or J)	1 (type K)	2 (type K)	2 (type K)	4 (type K)
Infrared (IR) input	No			Yes, with optional IR wand 20250-24 (order below)			
T/C range	K: -328 to 2501°F (-200 to 1372°C) J: -346 to 2012°F (-210 to 1100°C)			K: -328 to 2501°F (-200 to 1372°C)			
IR range	—			-31 to 1022°F (-35 to 550°C)			
Resolution	0.1°F/C below 1000°, 1°F/C above 1000°			0.1°F/C below 1000°, 1°F/C above 1000°			
T/C accuracy	Above -148°F (-100°C): ±[0.5% rdg + 1.8°F (1°C)] Below -148°F (-100°C): ±[0.5% rdg + 3.6°F (2°C)] Differentials: ±[0.5% rdg + 3.6°F (2°C)]			Above -148°F (-100°C): ±[0.15% rdg + 1.8°F (1°C)] Below -148°F (-100°C): ±[0.5% rdg + 3.6°F (2°C)] Differentials: ±[0.5% rdg + 1.8°F (1°C)]			
	—			Above 14°F (-10°C): ±[2.0% rdg + 3.6°F (2°C)]; Below 14°F (-10°C): ±9°F (5°C); T/C-IR differentials: ±[2.0% rdg + 5.4°F (3°C)] above 14°F (-10°C); ±11°F (6°C) below 14°F (-10°C)			
IR accuracy	—			—			
Data logging	No	18,000 points		No	18,000 points		10,000 points
USB interface	No	Yes		No	Yes		Yes
Temp differential	No	Yes		Yes			
Scan function	No			No	Yes		
Dimensions	6½" x 2½" x 1½" (16.5 x 6.4 x 2.9 cm)			8" x 3" x 2" (20.1 x 7.5 x 5 cm)			
Price							

FP-20250-24 Optional infrared wand for professional thermocouple thermometers only. Features 8:1 distance-to-spot ratio. Measures 6½" x 2" x 1½" (16.4 x 5 x 4 cm). Includes one 9 V battery

FP-09376-00 Replacement batteries, AAA. Pack of 12

FP-09376-04 Replacement batteries, 9 V. Pack of 4

✓ **Save time and money—** precalibrated to NIST-traceable standards before you receive it

✓ **Don't let** probe errors interfere with readings— electronic offset compensates for errors

✓ **Choose your readout—** measures in °F, °C, or Kelvin (K) with 0.1 resolution

✓ **Features for your convenience:**

- Min/Max/Avg
- Hold
- Relative time stamp
- Auto-off to save battery life

✓ **Take measurements from a distance with optional infrared wand on Professional series**

Precalibration provided by

INNOCAL®

Precalibration | Recalibration | Onsite

866-InnoCal (866-466-6225)
InnoCalSolutions.com

Optional IR wand



Digi-Sense® Precalibrated Infrared Stick Thermometers

Get quick and easy, one-button reading

- Reliable measurements, guaranteed! Precalibrated to NIST-traceable standards
- Unique ergonomic stick-style design fits comfortably in your hand
- Water- and dust-resistant IP54 rating
- Laser sighting to pinpoint the center of the measurement area
- Safely and easily locate hot and cold spots, preventing problems and saving costs

NEW



Just point the thermometer at your target and push one button! Unit features temperature range of -18 to 302°C (0 to 575°F) and ±2% basic accuracy. Other features include automatic data Hold, selectable °C/°F units, fixed emissivity, and backlit display.

What's included: lanyard, 9 V battery, and NIST-traceable calibration report with data supplied by InnoCal.



Description	Precalibrated IR stick thermometers	
Catalog number	FP-20250-09	FP-35625-16
Range	0 to 575°F (-18 to 302°C)	
Resolution	0.1°F/°C	
Accuracy	±3.6°F (2°C) or ±2% of reading	
Response time	Less than 500 ms	
Emissivity	Fixed at 0.95	
Laser sighting	Single laser	
Distance-to-sight ratio	8:1	4:1
Power	One 9 V battery (included)	
Dimensions (L x W x H)	7" x 1¼" x 1½" (17.8 x 4.4 x 3.8 cm)	
Price		

Accessories

[FP-35625-80](#) Soft carrying case

[FP-09376-04](#) Replacement batteries, 9 V. Pack of 4

Digi-Sense® Precalibrated Infrared Thermometers

Save money and prevent breakdowns—easily locate hot and cold spots

- Reliable measurements—guaranteed! Precalibrated to NIST-traceable standards
- Get easy readings from a distance—just aim, pull trigger and read!
- Continuous scanning via trigger lock

General-Purpose Infrared Thermometers feature Min/Max and Hold functions, °F/°C selectable units, single targeting laser, and large backlit LCD for easy reading. Models 20250-05 and -06 also offer adjustable emissivity and temperature alarm with indicator.

Professional Infrared Thermometers provide high distance-to-sight ratio and enhanced temperature range in a heavy-duty housing. Get a more precise measurement area with dual targeting lasers and external type K thermocouple (one included). Min/Max/Avg and Hold, temperature differential, high/low alarms, °F/°C selectable units, adjustable emissivity, datalogging, and more!



Description	General-purpose infrared thermometers			Professional infrared thermometers	
	FP-20250-04	FP-20250-05	FP-20250-06	FP-20250-07	FP-20250-08
Range (IR)	-4 to 630°F (-20 to 332°C)	-31 to 1000°F (-35 to 537°C)	-31 to 1472°F (-35 to 800°C)	-58 to 3002°F (-50 to 1650°C)	-58 to 3362°F (-50 to 1850°C)
Resolution	0.1°F/°C	0.1°F/°C below 1000°, 1°F/°C		0.1°F/°C below 1000°, 1°F/°C above 1000°	
Response time	Less than 1 second	Less than 300 ms		Less than 150 ms	
Distance-to-sight ratio	10:1	12:1	20:1	30:1	50:1
Emissivity	0.95 fixed	0.10 to 1.0 adjustable		0.10 to 1.0 adjustable	
Laser sighting		Single Class II laser		Dual Class II laser	
Temperature alarm	No	Yes		Yes	
Temp differential		No		Yes	
USB interface		No		Yes (cable and software included)	
Data logging		No		Yes, 100 internal readings	
Power		One 9 V battery		One 9 V battery	
Price					

[FP-09376-04](#) Replacement batteries, 9 V. Pack of 4



Protective lens cover with magnetic lock

20250-08

20250-05

Save time, save money!

Choose Precalibrated

Includes a data-rich, ISO 17025 certificate—no additional charge!

Precalibrated by **INNOCAL**
INNOVATIVE CALIBRATION SOLUTIONS



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.



A



B



C



D



E



F



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, 3/4"H	LCD, 3/8"H	Dual LCD, 1"H	LCD, 1"H	Triple LCD, 7/16"H	LCD, 5/8"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)	FP-08649-10	FP-94411-10	FP-94440-10	FP-94461-15	FP-94440-00	FP-94461-16
Price/ea*						
Catalog number (battery)	FP-09377-16	FP-09376-00	FP-09376-00	FP-09376-00	FP-09376-00	FP-09376-00
Price/pk						

* Discounts: Save 10% on 10-24 timers and 20% on 25+ timers.

Straight Blade Scissors, Stainless Steel

Cut through most materials

Choose the all-purpose stainless steel scissors for a variety of uses.

The ceramic straight blade is ideal for precision cuts and works with magnetic materials; features plastic and carbon fiber handles.

Buy More...Save More!



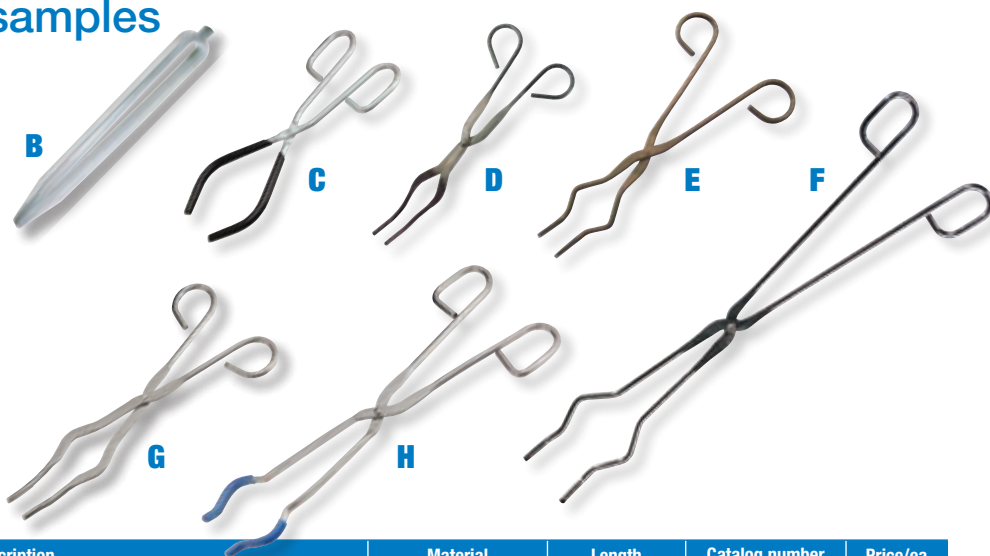
20% off on 120+
15% off on 30 to 119
10% off on 6 to 29 packs or cases

Description	Overall length	Catalog number	Qty/pk	Price/pk
Stainless steel	4½"	FP-07292-00	1	
	8"	FP-07292-10	1	



Tongs

Get a grip on your samples



Key	Description	Material	Length	Catalog number	Price/ea
A	Individually wrapped, sterile sampling tongs, serrated ends to securely hold wet and dry samples	Polystyrene	4¼" (10.8 cm)	FP-06443-02	
B	Tongs feature ¾" square tips for easy gripping; autoclavable	ETFE	10" (25.4 cm)	FP-06442-00	
C	Beaker tongs feature flat riveted joint, jaw opens to 7"; handles beakers from 50 to 1500 mL	Zinc-plated steel	9" (22.9 cm)	FP-06443-06	
D	Crucible tongs, 3" PTFE coating on each tip	Stainless steel	9" (22.9 cm)	FP-06443-00	
E	Tong is entirely covered in PTFE coating, no loss of sample through sticking; will not scratch or damage delicate surfaces	Stainless steel	9¾" (23.9 cm)	FP-06443-04	
F	Crucible tongs have positive-grip corrugated tips for safely handling dishes in muffle furnaces; holds crucibles or dishes 1½" or wider	Nickel-plated steel	20" (50.8 cm)	FP-06443-50	
G	Crucible tongs, riveted joint and serrated tips	Stainless steel	9" (22.9 cm)	FP-06443-07	
H	Beaker tongs with silicone tips, feature riveted joint; handles beakers up to 2 L	Stainless steel	12" (30.5 cm)	FP-06443-08	

Precision Tweezers, Titanium

Won't shed particles

Titanium tweezers are excellent for the silicon chip industry, for handling microscopic particles, and when working in a magnetic field as they are nonmagnetic, lightweight, and strong. They do not shed particles like stainless steel tweezers and are biocompatible. Maximum temperature resistance is 800°F (426°C).

Key	Description	Length	Catalog number	Price/ea
A	Titanium, style AA—Very strong, straight, precise tips	4¾" (12.1 cm)	FP-07289-20	
B	Titanium, style OO—Heavy duty strong blades that taper to regular strong points	4¾" (12.1 cm)	FP-07289-22	
C	Titanium, style 2A—Straight flat tips provide large flat gripping surface	4¾" (12.1 cm)	FP-07289-26	
D	Titanium, style 3C—Straight ultra fine tips	4¾" (12.1 cm)	FP-07289-30	
E	Titanium, style 7—Very sharp points	4¼" (10.8 cm)	FP-07289-36	





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

Tongs & Tweezers

SS Tweezers,
straight tips and finger serrations.



Length	Catalog number	Qty/ pk	Price/pk
7"	FP-07288-04	12	

SS Straight: Thick, Flat Strong Tips,
serrated tips and grips. Style OOD.



Length	Catalog number	Qty/ pk	Price/pk
4¾"	FP-07287-03	1	

SS Self-Locking Tweezers,
straight narrow tips.



Length	Catalog number	Qty/ pk	Price/pk
4¼"	FP-07288-01	12	

SS Tweezers,
smooth spade tips.



Length	Catalog number	Qty/ pk	Price/pk
4¼"	FP-07288-07	12	

SS Solder Utility Tweezers,
curved tips and finger serrations.



Length	Catalog number	Qty/ pk	Price/pk
7"	FP-07288-03	12	

SS Tweezers,
curved serrated tips.



Length	Catalog number	Qty/ pk	Price/pk
4¼"	FP-07288-05	12	

SS Forceps,
straight serrated tips.



Length	Catalog number	Qty/ pk	Price/pk
6"	FP-07288-12	1	
12"	FP-07288-14	1	

SS Forceps,
plastic-coated rounded tips.



Length	Catalog number	Qty/ pk	Price/pk
12"	FP-07288-10	1	

PTFE-Covered Nickel-Plated Forged Steel Forceps are heat and chemical resistant. **Autoclavable.**



Length	Catalog number	Qty/ pk	Price/pk*
4¼"	FP-06440-00	2	

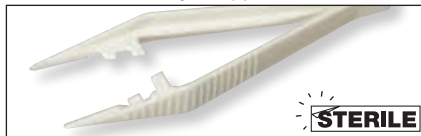
*Quantity discount does not apply.

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"	FP-06443-15	100	
Yes	4⅞"	FP-06443-26	100	

Nylon Forceps feature corrugated handles and serrated blades. **Autoclavable.** Sterile—individually wrapped.



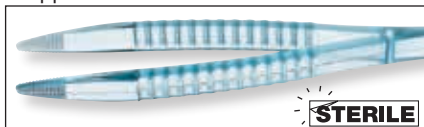
Sterile	Length	Catalog number	Qty/ pk	Price/pk
No	4¼"	FP-06443-25	100	
Yes	4¼"	FP-06443-27	70	

PA (Polyamide) Tweezers,
rounded tips.



Length	Catalog number	Qty/ pk	Price/pk
7"	FP-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"	FP-06443-20	100	

*Quantity discount does not apply.

Plastic Curved: Smooth Rounded Tips 2AB



Length	Catalog number	Qty/ pk	Price/pk
4½"	FP-07290-06	12	

Plastic Curved: Very Fine and Smooth Tips 7-STD



Length	Catalog number	Qty/ pk	Price/pk
4½"	FP-07290-08	12	



Cole-Parmer®

Cole-Parmer® Shallow Trays, 304 SS (heavy gauge) Stand up to the heat

– Withstand temperatures up to 650°F (182°C).



Dimensions (L x W x H)		Catalog number	Qty/pk	Price/pk
in.	cm			
10 x 6½ x ¾	25.4 x 16.5 x 1.9	FP-07277-11	1	
13½ x 9¾ x ¾	34.3 x 24.8 x 1.9	FP-07277-13	1	
15½ x 10½ x ¾	38.4 x 27.0 x 1.9	FP-07277-15	1	
17 x 11½ x ¾	43.2 x 29.5 x 1.9	FP-07277-17	1	
19½ x 12½ x ¾	48.6 x 32.1 x 1.9	FP-07277-19	1	
21¼ x 16¼ x ¾	54.0 x 41.3 x 2.2	FP-07277-21	1	
25 x 15 x ¾	63.5 x 38.1 x 2.2	FP-07277-23	1	
25 x 20 x ¾	63.5 x 50.8 x 2.2	FP-07277-25	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)	FP-06710-70	
14 (14)	20" x 15" x 3" (50.8 x 38.1 x 7.6 cm)	FP-06710-74	
21 (21)	18" x 18" x 4" (45.7 x 45.7 x 10.2 cm)	FP-06710-75	
25 (25)	16" x 12" x 8" (40.6 x 30.5 x 20.3 cm)	FP-06710-72	
37 (37)	26" x 22" x 4" (66.0 x 55.9 x 10.2 cm)	FP-06710-78	
39 (39)	20" x 20" x 6" (50.8 x 50.8 x 15.2 cm)	FP-06710-76	

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



Buy More...Save More!

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



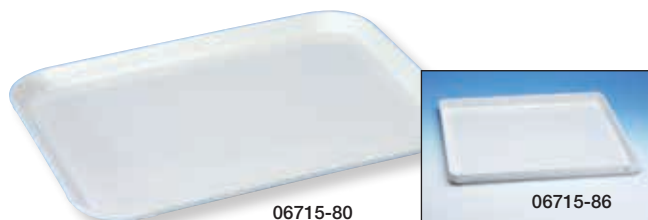
Capacity L (qt)	Outside dimensions (L x W x H)	Catalog number	Qty/pk	Price/pk
7 (7)	17¾" x 14" x 4" (45.1 x 35.6 x 10.2 cm)	FP-06710-10¹	1	
15 (15)	17½" x 15½" x 4" (44.5 x 39.4 x 10.2 cm)	FP-06710-20		
19 (19)	17½" x 15½" x 5" (44.5 x 39.4 x 12.7 cm)	FP-06710-30		
20 (20)	23" x 19" x 4" (58.4 x 48.3 x 10.2 cm)	FP-06710-40	1	
32 (32)	29¼" x 23¼" x 4" (74.3 x 59.1 x 10.2 cm)	FP-06710-50²		

¹Model 06710-10 has rolled lip all around, single-molded construction.
²Model 06710-50 is made of LLDPE.

Chemical-Resistant Trays and Pans

Resist mild acids, alkalis, 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 10½" x 1" (33.7 x 26.9 x 2.5 cm)	FP-06715-80	1	
18" x 14" x 1" (45.7 x 35.6 x 2.5 cm)	FP-06715-82	1	
20¾" x 15½" x 1" (52 x 38.3 x 2.5 cm)	FP-06715-84	1	
Chemical-resistant pans			
25¼" x 19¼" x 1½" (64.1 x 48.9 x 2.7 cm)	FP-06715-86	1	
19½" x 19½" x 1¼" (49.5 x 49.5 x 3.2 cm)	FP-06715-88	1	
31" x 25" x 2¼" (78.7 x 63.5 x 7 cm)	FP-06715-90	1	

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 5½" (36.2 x 31.1 x 14.3 cm)	FP-06018-10	1	
15 (15)	21¾" x 17½" x 5½" (54.3 x 43.5 x 13 cm)	FP-06018-20		



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



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	FP-06411-59		FP-95802-00	
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	30	FP-06411-60		FP-95802-01	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	15	FP-06411-62		FP-95802-02	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	15	FP-06411-63		FP-95802-03	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	10	FP-06411-64		FP-95802-04	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	20	FP-06411-67		FP-95802-05	
1/8 (3.2)	3/8 (9.6)	1/8 (3.2)	25	FP-06411-68		FP-95802-06	
5/32 (4.0)	5/32 (4.0)	1/32 (0.8)	10	FP-06411-65		FP-95802-07	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	9	FP-06411-66		FP-95802-08	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	13	FP-06411-03		FP-95802-09	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	22	FP-06411-69		FP-95802-10	
1/4 (6.4)	5/16 (8.0)	1/32 (0.8)	9	FP-06411-70		FP-95802-11	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	10	FP-06411-71		FP-95802-12	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	17	FP-06411-72		FP-95802-13	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	17	FP-06411-74		FP-95802-14	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	10	FP-06411-75		FP-95802-15	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	16	FP-06411-76		FP-95802-16	
5/16 (8.0)	9/16 (14.4)	1/8 (3.2)	20	FP-06411-77		FP-95802-17	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	10	FP-06411-12		FP-95802-18	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	12	FP-06411-78		FP-95802-19	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	15	FP-06411-79		FP-95802-20	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	9	FP-06411-80		FP-95802-21	
1/2 (12.8)	11/16 (17.6)	3/32 (2.4)	10	FP-06411-19		FP-95802-22	
1/2 (12.8)	3/4 (19.2)	1/8 (3.2)	12	FP-06411-55		FP-95802-23	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	10	FP-06411-82		FP-95802-24	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	12	FP-06411-58		FP-95802-25	
3/4 (19.2)	1 (25.4)	1/8 (3.2)	9	FP-06411-83		FP-95802-26	

Benchtop Tubing Cutter

Steel blade makes right-angle cuts in plastic tubing 1/16" to 3/8" OD.

FP-06438-10 Benchtop cutter
FP-06438-11 Replacement blade



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).

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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 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)	FP-95702-00	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	10 (0.7)	FP-95702-01	
1/16 (1.6)	3/16 (4.8)	1/16 (1.6)	15 (1.0)	FP-95702-02	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	7 (0.5)	FP-95702-03	
3/32 (2.4)	7/32 (5.6)	1/16 (1.6)	12 (0.8)	FP-95702-04	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	7 (0.5)	FP-95702-05	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	9 (0.6)	FP-95702-06	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	5 (0.3)	FP-95702-08	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	7 (0.5)	FP-95702-09	
3/16 (4.8)	3/8 (9.6)	3/32 (2.4)	9 (0.6)	FP-95702-10	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	5 (0.3)	FP-95702-13	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	7 (0.5)	FP-95702-14	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	5 (0.3)	FP-95702-16	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	6 (0.4)	FP-95702-17	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	4 (0.3)	FP-95702-18	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	5 (0.3)	FP-95702-19	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	7 (0.5)	FP-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



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.

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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)	Catalog number	Price/pk
ID	OD	Wall			
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	312 (21.5)	FP-95703-00	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	248 (17.1)	FP-95703-01	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	180 (12.4)	FP-95703-02	
1/2 (12.8)	13/16 (20.8)	5/32 (4.0)	168 (11.6)	FP-95703-03	
5/8 (16.0)	15/16 (24.0)	5/32 (4.0)	144 (9.9)	FP-95703-04	
3/4 (19.1)	1 1/8 (28.6)	3/16 (4.8)	144 (9.9)	FP-95703-05	
1 1/4 (31.8)	1 5/8 (41.4)	3/16 (4.8)	96 (6.6)	FP-95703-07	

Dow Corning® Pharma-50 Tubing

No organic additives and low extractables



Applications: Pharmaceutical, biotechnology, and ultrapure fluid processing.

Characteristics: 50 durometer, translucent platinum-cured silicone tubing with a very low extractable profile. Pharma tubing remains flexible and resilient for long service life. Dow Corning maintains complete traceability from silica to silicone tubing.

Certifications: Elastomer exceeds test guidelines for USP Class VI Plastics and the tubing itself meets or exceeds FDA (21 CFR 177.2600), 3A Sanitary Standards and European Pharmacopoeia (EP) requirements. Produced under Bulk Pharmaceutical (BP) and current GMP principles.

Temperature range: -60 to 460°F (-51 to 232°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)			Max psi at 70°F (bar at 21°C)	Catalog number	Price/ 50-ft pk
ID	OD	Wall			
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	21 (1.4)	FP-96105-00	
3/16 (4.8)	3/8 (9.6)	3/32 (2.4)	16 (1.1)	FP-96105-02	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	12 (0.8)	FP-96105-03	
1/4 (6.4)	7/16 (11.1)	3/32 (2.4)	17 (1.2)	FP-96105-04	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	17 (1.2)	FP-96105-05	
5/16 (8.0)	1/2 (14.0)	1/8 (3.0)	16 (1.1)	FP-96105-06	
3/8 (9.6)	9/16 (14.3)	3/32 (2.4)	13 (0.9)	FP-96105-08	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	14 (1.0)	FP-96105-09	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	10 (0.7)	FP-96105-11	
5/8 (16.0)	7/8 (22.2)	1/8 (3.2)	9 (0.6)	FP-96105-12	

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.

Buy More...Save More!

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)	FP-96115-00	
0.02 (0.5)	0.037 (0.9)	0.0085 (0.22)	FP-96115-02	
0.025 (0.6)	0.047 (1.2)	0.011 (0.3)	FP-96115-04	
0.03 (0.8)	0.065 (1.7)	0.0175 (0.4)	FP-96115-06	
0.04 (1)	0.085 (2.2)	0.0225 (0.6)	FP-96115-08	
0.058 (1.5)	0.077 (2.0)	0.0095 (0.2)	FP-96115-10	
0.062 (1.6)	0.095 (2.4)	0.0165 (0.4)	FP-96115-12	
0.062 (1.6)	0.125 (3.2)	0.0315 (0.8)	FP-96115-14	
0.078 (2)	0.125 (3.2)	0.0235 (0.6)	FP-96115-16	
0.104 (2.6)	0.192 (4.9)	0.044 (1.1)	FP-96115-18	
0.132 (3.4)	0.183 (4.6)	0.0255 (0.6)	FP-96115-20	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	FP-96115-22	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	FP-96115-24	
3/16 (4.8)	3/8 (9.5)	3/32 (2.4)	FP-96115-26	
1/4 (6.4)	3/8 (9.5)	1/16 (1.6)	FP-96115-28	
1/4 (6.4)	7/16 (11.1)	3/32 (2.4)	FP-96115-30	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	FP-96115-32	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	FP-96115-34	
3/8 (9.5)	1/2 (12.8)	1/16 (1.6)	FP-96115-36	
3/8 (9.5)	9/16 (14.3)	3/32 (2.4)	FP-96115-38	
3/8 (9.5)	5/8 (15.9)	1/8 (3.2)	FP-96115-40	
1/2 (12.8)	1 1/16 (17.5)	3/32 (2.4)	FP-96115-42	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	FP-96115-44	
5/8 (15.9)	7/8 (22.2)	1/8 (3.2)	FP-96115-46	

Platinum-Cured Silicone Tubing Spools

Cut tubing to your needs

Reduce unpacking time, save money on shipping, and ensure that you always have enough tubing on hand with bulk tubing.



Dimensions in. (mm)		Length per spool	Catalog number	Price
ID	OD			
1/32 (0.8)	3/32 (2.4)	500 ft (152 m)	FP-98906-00	
1/16 (1.6)	1/8 (3.2)		FP-98906-02	
1/8 (3.2)	1/4 (6.4)	300 ft (91 m)	FP-98906-04	
3/16 (4.8)	5/16 (8.0)		FP-98906-06	
1/4 (6.4)	3/8 (9.6)		FP-98906-08	
3/8 (9.6)	5/8 (16.0)		FP-98906-10	
5/8 (16.0)	7/8 (22.4)		FP-98906-12	

Ratchet Tubing Clamps

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.



06833-00

FP-06833-01 Mini tubing clamp. Pack of 25

FP-06833-00 Tubing clamp. Pack of 25



PharMed® BPT Tubing

Protect your light-sensitive samples



Applications: Cell and tissue culture work and pharmaceutical uses. Also good for light-sensitive samples.

Characteristics: Nontoxic; nonhemolytic; extremely low permeability; resists acids, alkalis, oxidizing agents, and animal and vegetable oils; heat-sealable, bondable, and formable. Opaque beige.

Certifications: Elastomer is FDA-compliant (21 CFR 177.2600) and meets USP Class VI and NSF (Standard 51) requirements. Meets EP requirements. Tubing is manufactured according to GMP.

Temperature range: -60 to 275°F (-51 to 135°C) **Buy More...Save More!**

Sterilize: Autoclave, ethylene oxide, or gamma irradiation.

\$ 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/ 25-ft pk
ID	OD	Wall			
1/50 (0.5)	9/64 (3.7)	1/16 (1.6)	50 (3.4)	FP-96880-00	
1/32 (0.8)	5/32 (4.0)	1/16 (1.6)	40 (2.8)	FP-96880-02	
1/16 (1.6)	3/16 (4.8)	1/16 (1.6)	34 (2.3)	FP-96880-04	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	19 (1.3)	FP-96880-06	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	13 (0.9)	FP-96880-08	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	10 (0.7)	FP-96880-10	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	19 (1.3)	FP-96880-12	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	8 (0.6)	FP-96880-14	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	13 (0.9)	FP-96880-16	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	11 (0.8)	FP-96880-18	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	8 (0.6)	FP-96880-20	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	7 (0.5)	FP-96880-22	

Microbore PharMed BPT Tubing

Dimensions: in. (mm)			Fits needle gauge	Catalog number	Price/ 100-ft pk
ID	OD	Wall			
0.010 (0.25)	0.082 (2.08)	0.036 (0.91)	30	FP-95809-12	
0.020 (0.51)	0.096 (2.44)	0.038 (0.97)	24	FP-95809-18	
0.035 (0.89)	0.111 (2.82)	0.038 (0.97)	20	FP-95809-26	
0.045 (1.14)	0.121 (3.07)	0.038 (0.97)	18	FP-95809-30	
0.051 (1.30)	0.127 (3.23)	0.038 (0.97)	18	FP-95809-32	
0.056 (1.42)	0.132 (3.35)	0.038 (0.97)	17	FP-95809-34	
0.060 (1.52)	0.136 (3.45)	0.038 (0.97)	16	FP-95809-36	
0.073 (1.85)	0.149 (3.78)	0.038 (0.97)	15	FP-95809-40	

Cole-Parmer® PFA Tubing

Stands up to highly corrosive materials



Applications: Demanding lab, chemical, electrical, mechanical, pharmaceutical, and automotive applications. For the transfer of high-temperature or highly corrosive materials. Also good for high-purity work.

Characteristics: Chemically inert, nontoxic, and virtually nonporous. Excellent crack- and stress-resistance. Low coefficient of friction. Translucent.

Certifications: Resin is FDA-compliant (21 CFR 177.1550). Tubing is manufactured in ISO 9001-2008 approved facility.

Temperature range: -320 to 500°F (-195 to 260°C)

Sterilize: Autoclave, ethylene oxide, or dry heat.

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10% off on 4 to 9 packs



Dimensions: in. (mm)			Max psi at 70°F (bar at 21°C)	Catalog number	Price/ 25-ft pk
ID	OD	Wall			
1/32 (0.8)	1/16 (1.6)	1/64 (0.4)	600 (41.4)	FP-06371-00	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	592 (40.8)	FP-06375-01	
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	471 (32.5)	FP-06371-01	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	385 (26.5)	FP-06371-02	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	600 (41.4)	FP-06371-21	
5/32 (4.0)	1/4 (6.4)	3/64 (1.2)	421 (29.0)	FP-06375-02	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	280 (19.3)	FP-06371-03	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	471 (32.5)	FP-06371-22	
1/4 (6.4)	5/16 (8.0)	1/32 (0.8)	220 (15.2)	FP-06371-04	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	388 (26.8)	FP-06375-05	
19/64 (7.5)	3/8 (9.6)	5/128 (1.0)	229 (15.8)	FP-06371-23	
5/16 (8.0)	3/8 (9.6)	1/32 (0.8)	180 (12.4)	FP-06371-05	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	324 (22.3)	FP-06371-24	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	283 (19.5)	FP-06371-07	
2/5 (10.2)	1/2 (12.8)	1/20 (1.2)	220 (9.5)	FP-06371-25	
7/16 (11.2)	1/2 (12.8)	1/32 (0.8)	133 (9.2)	FP-06371-07	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	220 (15.2)	FP-06371-26	
5/8 (16.0)	3/4 (19.0)	1/16 (1.6)	150 (10.3)	FP-06375-08	
11/16 (17.5)	3/4 (19.0)	1/32 (0.8)	87 (6.0)	FP-06371-28	
3/4 (19.0)	7/8 (22.2)	1/16 (1.6)	153 (10.5)	FP-06371-29	

Tubing

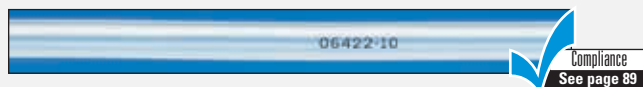
C-Flex® Tubing

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.

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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)	FP-06424-59	30		FP-06422-00	50		—	—	—
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	FP-06424-60	31		FP-06422-01	51		—	—	—
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	FP-06424-62	15		FP-06422-02	25		—	—	—
3/32 (2.4)	5/32 (4.0)	1/32 (0.8)	FP-06424-63	14		FP-06422-03	23		—	—	—
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	FP-06424-64	10		FP-06422-04	17		—	—	—
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	FP-06424-67	21		FP-06422-05	35		FP-06432-50	35	
5/32 (4.0)	7/32 (5.6)	1/32 (0.8)	FP-06424-65	17		FP-06422-06	17		—	—	—
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	FP-06424-66	9		FP-06422-07	15		—	—	—
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	FP-06424-03	13		FP-06422-08	22		FP-06432-51	22	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	FP-06424-69	22		FP-06422-09	36		—	—	—
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	FP-06424-71	12		FP-06422-10	20		FP-06432-53	20	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	FP-06424-72	17		FP-06422-11	28		FP-06432-54	28	
1/4 (6.4)	1/2 (12.7)	1/8 (3.2)	FP-06424-74	17		FP-06422-12	28		FP-06432-55	28	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	FP-06424-75	10		FP-06422-13	17		—	—	—
5/16 (8.0)	1/2 (12.7)	3/32 (2.4)	FP-06424-76	16		FP-06422-14	27		FP-06432-56	27	
3/8 (9.6)	1/2 (12.7)	1/16 (1.6)	FP-06424-12	10		FP-06422-15	17		FP-06432-57	17	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	FP-06424-79	14		FP-06422-16	23		FP-06432-59	23	
1/2 (12.7)	11/16 (17.6)	3/32 (2.4)	FP-06424-19	10		FP-06422-17	17		FP-06432-60	17	
1/2 (12.7)	3/4 (19.1)	1/8 (3.2)	FP-06424-81	10		FP-06422-18	17		FP-06432-61	17	

Cole-Parmer® Vinyl Tubing

Ideal for general-purpose applications



Applications: General-purpose lab use.

Characteristics: Fair chemical and abrasion resistance, odorless, nontoxic and transparent.

Certifications: Tubing is manufactured according to GMP.

Temperature range: -45 to 180°F (-43 to 82°C)

Sterilize: Ethylene oxide.

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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)	Catalog number	Price/pk
ID	OD	Wall			
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	40 (2.8)	FP-06405-01	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	59 (4.0)	FP-06405-02	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	51 (3.5)	FP-06405-03	
3/16 (4.8)	7/16 (11.2)	1/8 (3.2)	46 (3.2)	FP-06405-04	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	51 (3.5)	FP-06405-06	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	55 (3.8)	FP-06405-07	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	64 (4.4)	FP-06405-08	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	46 (3.2)	FP-06405-09	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	55 (3.8)	FP-06405-10	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	41 (2.8)	FP-06405-12	
3/8 (9.6)	9/16 (14.4)	3/32 (2.4)	46 (3.2)	FP-06405-15	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	55 (3.8)	FP-06405-16	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	28 (1.9)	FP-06405-18	
1/2 (12.8)	11/16 (17.6)	3/32 (2.4)	36 (2.5)	FP-06405-19	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	41 (2.8)	FP-06405-20	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	32 (2.2)	FP-06405-25	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	36 (2.5)	FP-06405-27	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	32 (2.2)	FP-06405-31	
1 (25.4)	1 1/4 (31.8)	1/8 (3.2)	23 (1.6)	FP-06405-36	
1 1/4 (31.8)	1 3/4 (44.5)	1/4 (6.4)	41 (2.8)	FP-06405-46	

Cole-Parmer® PTFE Tubing

Won't crack under heat or pressure



Applications: Demanding lab, chemical, electrical, mechanical, pharmaceutical, and automotive applications. Good for high-purity work. PTFE tubing withstands extreme temperatures.

Characteristics: Chemically inert, nontoxic, and virtually nonporous. Excellent crack- and stress-resistance. Low coefficient of friction. Translucent.

Certifications: Resin is FDA-compliant (21 CFR 177.1550).

Temperature range: -400 to 500°F (-240 to 260°C)

Sterilize: Autoclave, ethylene oxide, or dry heat.

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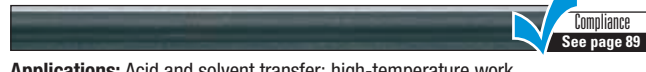
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10% off on 4 to 9 packs



Dimensions: in. (mm)			Max psi at 70°F (bar at 21°C)	Catalog number	Price/ 25-ft pk
ID	OD	Wall			
1/32 (0.8)	1/16 (1.6)	1/64 (0.4)	370 (25.5)	FP-06407-41	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	370 (25.5)	FP-06605-27	
3/32 (2.4)	3/16 (4.8)	1/32 (0.8)	294 (20.3)	FP-06605-28	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	240 (16.5)	FP-06605-29	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	375 (25.9)	FP-06605-30	
3/32 (4.0)	1/4 (6.4)	3/64 (1.2)	274 (18.9)	FP-06605-31	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	175 (12.1)	FP-06605-32	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	294 (20.3)	FP-06605-33	
1/4 (6.4)	5/16 (8.0)	1/32 (0.8)	137 (9.4)	FP-06605-34	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	240 (16.5)	FP-06605-35	
19/64 (7.5)	3/8 (9.6)	1/25 (1.0)	143 (9.9)	FP-06605-36	
3/16 (4.8)	3/8 (9.6)	1/32 (0.8)	113 (7.8)	FP-06605-37	
3/8 (9.6)	7/16 (11.2)	1/32 (0.8)	96 (6.6)	FP-06605-39	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	175 (12.1)	FP-06605-40	
5/8 (10.2)	1/2 (12.8)	1/20 (1.4)	137 (9.4)	FP-06605-41	
7/16 (11.2)	1/2 (12.8)	1/32 (0.8)	83 (5.7)	FP-06605-42	
1/2 (12.8)	9/16 (14.3)	1/32 (0.8)	73 (5.0)	FP-06605-44	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	137 (9.4)	FP-06605-45	
9/16 (14.3)	5/8 (16.0)	1/32 (0.8)	66 (4.6)	FP-06605-46	
5/8 (16.0)	11/16 (17.5)	1/32 (0.8)	59 (4.1)	FP-06605-48	
5/8 (16.0)	3/4 (19.2)	1/16 (1.6)	113 (7.8)	FP-06605-49	
3/4 (19.2)	7/8 (22.2)	1/16 (1.6)	96 (6.6)	FP-06605-51	

Viton® Tubing

Worry-free acid transfer



Applications: Acid and solvent transfer; high-temperature work.

Characteristics: Opaque black.

Certifications: Tubing is manufactured according to GMP.

Temperature range: 8 to 400°F (-13 to 204°C)

Sterilize: Not recommended.

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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)	Catalog number	Price/ 25-ft pk
ID	OD	Wall			
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	23 (1.6)	FP-06434-01	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	21 (1.4)	FP-06434-02	
3/16 (4.8)	1/4 (6.4)	1/32 (0.8)	19 (1.3)	FP-06434-03	
1/4 (6.4)	5/16 (8.0)	1/32 (0.8)	17 (1.2)	FP-06434-04	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	20 (1.4)	FP-06434-05	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	18 (1.2)	FP-06434-06	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	16 (1.1)	FP-06434-07	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	17 (1.8)	FP-06434-08	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	15 (1.0)	FP-06434-09	

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.

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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)	Catalog number	Price/ 50-ft pk
ID	OD	Wall			
1/32 (0.8)	3/32 (2.4)	1/32 (0.8)	69 (4.8)	FP-06407-70	
1/16 (1.6)	1/8 (3.2)	1/32 (0.8)	36 (2.5)	FP-06407-71	
1/16 (1.6)	3/16 (4.8)	1/16 (1.6)	69 (4.8)	FP-06407-72	
3/32 (2.4)	3/32 (4.0)	1/32 (0.8)	25 (1.7)	FP-06407-73	
1/8 (3.2)	3/16 (4.8)	1/32 (0.8)	20 (1.4)	FP-06407-75	
1/8 (3.2)	1/4 (6.4)	1/16 (1.6)	36 (2.5)	FP-06407-76	
3/32 (4.0)	3/16 (4.8)	1/32 (0.8)	17 (1.2)	FP-06407-77	
3/16 (4.8)	5/16 (8.0)	1/16 (1.6)	25 (1.7)	FP-06407-78	
3/16 (4.8)	3/8 (9.6)	3/32 (2.4)	36 (2.5)	FP-06407-79	
1/4 (6.4)	3/8 (9.6)	1/16 (1.6)	20 (1.4)	FP-06407-80	
1/4 (6.4)	7/16 (11.2)	3/32 (2.4)	28 (1.9)	FP-06407-81	
1/4 (6.4)	1/2 (12.8)	1/8 (3.2)	35 (2.5)	FP-06407-82	
5/16 (8.0)	7/16 (11.2)	1/16 (1.6)	17 (1.2)	FP-06407-83	
5/16 (8.0)	1/2 (12.8)	3/32 (2.4)	23 (1.6)	FP-06407-84	
5/16 (8.0)	9/16 (14.4)	1/8 (3.2)	30 (2.1)	FP-06407-85	
3/8 (9.6)	1/2 (12.8)	1/16 (1.6)	14 (1.0)	FP-06407-86	
3/8 (9.6)	5/16 (8.0)	3/32 (2.4)	20 (1.4)	FP-06407-87	
3/8 (9.6)	5/8 (16.0)	1/8 (3.2)	25 (1.7)	FP-06407-88	
7/16 (11.2)	9/16 (14.4)	1/16 (1.6)	13 (0.9)	FP-06407-89	
1/2 (12.8)	5/8 (16.0)	1/16 (1.6)	12 (1.8)	FP-06407-90	
1/2 (12.8)	11/16 (17.5)	3/32 (2.4)	15 (1.0)	FP-06407-91	
1/2 (12.8)	3/4 (19.1)	1/8 (3.2)	20 (1.4)	FP-06407-92	
1/2 (12.8)	13/16 (20.8)	5/32 (4.0)	24 (1.7)	FP-06407-93	
5/8 (16.0)	13/16 (20.8)	3/32 (2.4)	13 (0.9)	FP-06407-94	
5/8 (16.0)	7/8 (22.4)	1/8 (3.2)	17 (1.2)	FP-06407-95	
3/4 (19.1)	1 (25.4)	1/8 (3.2)	14 (1.0)	FP-06407-96	
3/4 (19.1)	1 1/8 (28.6)	3/16 (4.8)	20 (1.4)	FP-06407-97	
1 (25.4)	1 1/4 (31.8)	1/8 (3.2)	12 (0.8)	FP-06407-98	
1 (25.4)	1 1/2 (66.8)	1/4 (6.4)	20 (1.4)	FP-06407-99	

Cole-Parmer® Ultrasonic Cleaners

Quickly clean and degas 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



Ultrasonic Cleaners



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
1/2 (1.9) [†]	6" x 5 1/2" x 4" (15.2 x 14 x 10.2 cm)	115 VAC	0.8	FP-08895-21		1.2	FP-08895-23		0.8	FP-08895-25		1.3	FP-08895-27	
		230 VAC	0.4	FP-08895-29		0.7	FP-08895-31		0.4	FP-08895-33		0.7	FP-08895-35	
3/4 (2.8) [†]	9 1/2" x 5 1/2" x 4" (24.1 x 14 x 10.2 cm)	115 VAC	1.1	FP-08895-37		2	FP-08895-39		1.1	FP-08895-41		2	FP-08895-43	
		230 VAC	0.6	FP-08895-45		1.1	FP-08895-47		0.6	FP-08895-49		1.1	FP-08895-51	
1 1/2 (5.7) [‡]	11 1/2" x 6" x 6" (29.2 x 15.2 x 15.2 cm)	115 VAC	1.1	FP-08895-53		2.9	FP-08895-55		1.1	FP-08895-57		2.9	FP-08895-59	
		230 VAC	0.6	FP-08895-61		1.5	FP-08895-63		0.6	FP-08895-65		1.6	FP-08895-67	
2 1/2 (9.5) [‡]	11 1/2" x 9 1/2" x 6" (29.2 x 24.1 x 15.2 cm)	115 VAC	1.5	FP-08895-69		4	FP-08895-71		1.5	FP-08895-73		4.1	FP-08895-75	
		230 VAC	0.8	FP-08895-77		2.1	FP-08895-79		0.8	FP-08895-81		2.1	FP-08895-83	
5 1/2 (20.8) [‡]	19 1/2" x 11" x 6" (49.5 x 27.9 x 15.2 cm)	115 VAC	2.7	FP-08895-85		7.7	FP-08895-87		2.7	FP-08895-89		7.8	FP-08895-91	
		230 VAC	1.4	FP-08895-93		4	FP-08895-95		1.4	FP-08895-97		4	FP-08895-99	

[†]The 1/2- and 3/4-gallon cleaners have a pour spout.

[‡]The 1 1/2-, 2 1/2-, and 5 1/2-gallon cleaners have a built-in pour drain.

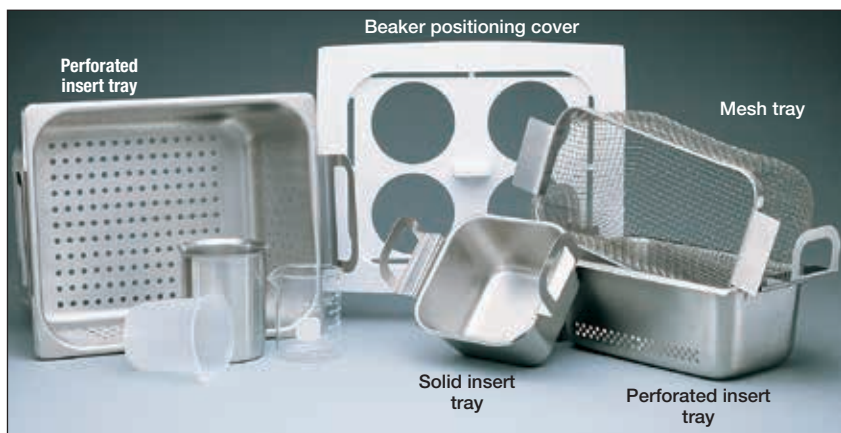
Accessories for Ultrasonic Cleaners

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	Cat. no.	Price
08895-00; -10, 08895-21 to -35 series	FP-08850-41		FP-08850-42		FP-08850-45		One 600 mL	FP-08890-50	
08895-12; -22, 08895-37 to -51 series	FP-08851-41		FP-08851-42		FP-08851-45		Two 600 mL	FP-08891-50	
08895-24; -34, 08895-53 to -67 series	FP-08852-41		FP-08852-42		FP-08852-45		Three 250 mL	FP-08892-50	
08895-36; -58, 08895-69 to -83 series	FP-08853-41		FP-08853-42		—	—	Four 600 mL	FP-08893-50	
08895-60; -70, 08895-85 to -99 series	FP-08854-41		FP-08854-42		—	—	Six 600 mL	FP-08894-50	

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	FP-06087-05	
12 mL		FP-06087-15	
18 mL		FP-06087-25	
28 mL	12	FP-06087-35	
50 mL		FP-06087-45	
75 mL		FP-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	FP-06094-10	
1.7 mL		FP-06094-20	
2.1 mL		FP-06094-30	
8.4 mL	1000	FP-06094-50	
16.9 mL	500	FP-06094-60	
29.6 mL	500	FP-06094-70	
42.3 mL	500	FP-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	FP-06102-10	
18.5 mL		FP-06102-15	
25.9 mL		FP-06102-20	
37.0 mL	144	FP-06102-25	
48.1 mL		FP-06102-30	
55.5 mL		FP-06102-35	
74.0 mL	144	FP-06102-40	
111.0 mL	72	FP-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). Conical vial facilitates removal of contents with a syringe. The 5- and 7-mL vials have a 6 $\frac{7}{8}$ "L x 2 $\frac{3}{4}$ "W (17.5 x 7.0 cm) tray; the 15-, 22-, and 30-mL vials have a 10 $\frac{1}{2}$ "L x 3 $\frac{1}{4}$ "W (26.7 x 8.3 cm) tray. Each tray contains ten vials.

Capacity	Cap		Catalog number	Price/tray of 10
	Size	Type		
Round vials				
5 mL	24 mm	Snap	FP-08936-00	
7 mL	24 mm	Threaded	FP-08936-10	
15 mL	33 mm	Threaded	FP-08936-30	
22 mL	33 mm	Threaded	FP-08936-40	
30 mL	33 mm	Threaded	FP-08936-50	
Conical vial				
5 mL	24 mm	Threaded	FP-08936-20	

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.



Vial	Capacity	Catalog number	Qty/pk	Price/pk
Vials with urea cap/PTFE foam-backed liner				
Clear	2 mL	FP-08922-21	100	
	4 mL	FP-08922-22	100	
	8 mL	FP-08922-23	200	
	12 mL	FP-08922-24	200	
Clear	16 mL	FP-08922-26	200	
	20 mL	FP-08922-27	100	
	22 mL	FP-08922-28	200	
	40 mL	FP-08922-29	100	
Amber	2 mL	FP-08922-31	100	
	4 mL	FP-08922-32	100	
Amber	8 mL	FP-08922-33	200	
	12 mL	FP-08922-34	200	
	16 mL	FP-08922-36	200	
	40 mL	FP-08922-39	100	
Vials with open-top, unlined polypropylene cap and PTFE/silicone septa				
Clear	2 mL	FP-08922-41	100	
	4 mL	FP-08922-42	100	
	8 mL	FP-08922-43	200	
	12 mL	FP-08922-44	200	
Clear	16 mL	FP-08922-46	200	
	22 mL	FP-08922-48	200	
	40 mL	FP-08922-49	100	
	2 mL	FP-08922-51	100	
Amber	4 mL	FP-08922-52	100	
	8 mL	FP-08922-53	200	
Amber	12 mL	FP-08922-54	200	
	16 mL	FP-08922-56	200	
	40 mL	FP-08922-59	100	



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WHEATON® Economical Sample Glass Vials

Don't worry about contaminants—shrink wrapped to keep vials clean



Clear sample glass vials



Amber sample glass vials

- Tight-fitting screw caps for no leaks
- Made of 33 low-extractable borosilicate glass
- Protect light-sensitive samples with amber-colored vials
- Choose the cap that's right for your sample
- Autoclavable

Color	Capacity	Cap size	Catalog number	Qty/cs	Price/cs
Vials with rubber-lined phenolic threaded cap					
Clear	2 mL	8-425	FP-08923-10	200	
	4 mL	13-425	FP-08923-11		
	8 mL	15-425	FP-08923-12		
Clear	12 mL	15-425	FP-08923-13	200	
	16 mL	18-400	FP-08923-14		
	24 mL	20-400	FP-08923-15		
	2 mL	8-425	FP-08923-16		
Amber	4 mL	13-425	FP-08923-17	200	
	8 mL	15-425	FP-08923-18		
	Vials with PTFE/rubber-lined threaded cap				
Clear	2 mL	8-425	FP-08923-20	200	
	4 mL	13-425	FP-08923-21		
	8 mL	15-425	FP-08923-22		
Clear	12 mL	15-425	FP-08923-23	200	
	16 mL	18-400	FP-08923-24		
	24 mL	20-400	FP-08923-25		
	2 mL	8-425	FP-08923-26		
Amber	4 mL	13-425	FP-08923-27	200	
	8 mL	15-425	FP-08923-28		
	Vials with no cap				
Clear	2 mL	8-425	FP-08923-30	200	
	4 mL	13-425	FP-08923-31		
	8 mL	15-425	FP-08923-32		
Clear	12 mL	15-425	FP-08923-33	200	
	16 mL	18-400	FP-08923-34		
	24 mL	20-400	FP-08923-35		
	2 mL	8-425	FP-08923-36		
Amber	4 mL	13-425	FP-08923-37	200	
	8 mL	15-425	FP-08923-38		

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	FP-08921-01	144	
12 mL	22 mm	FP-08921-02		
16 mL	30 mm	FP-08921-03	72	
30 mL	34 mm	FP-08921-05		
60 mL	45 mm	FP-08921-06	72	
120 mL	45 mm	FP-08921-07	72	

WHEATON® Scintillation Vials, PE

Economically sample and store products

- Sample and store up to 20 mL
- Order with caps on or bulk packed separately
- Lightweight and durable vials measure 2 3/8" H x 1 1/16" OD (61 mm H x 27 mm OD) with cap



Cap material	Cap liner	Cap size	Caps	Catalog number	Qty/pk	Price/pk
Urea	Metal foil	22	On	FP-08918-51	500	
Polyethylene	Linerless			FP-08918-52		
Polypropylene	Metal foil			FP-08918-54		
Polyethylene	Linerless	22	Bulk	FP-08918-62	1000	
Polypropylene	Metal foil			FP-08918-53		

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Hach® Water Quality Test Strips

Results in less than a minute!

NEW



- Reduce risk by using as a pre-test validation tool
- No chemical handling or cleanup
- Vial label with color key for easy readings in lab or field

Testing parameter	Testing range	Catalog number	Qty	Price
5-in-1: Free and total chlorine; total hardness; total alkalinity; pH	0 to 10 ppm; 0 to 25 gpg; 0 to 240 ppm; 6.2 to 8.4 pH	FP-05546-02	50	
Alkalinity	0 to 240 ppm	FP-05546-04	50	
Ammonia (nitrogen)	0 to 6 ppm	FP-05546-06	25	
Arsenic (low level)	0 to 500 ppb	FP-05546-08	100	
Arsenic (dual range)	0 to 500 ppb; 0 to 4000 ppb	FP-05546-12	100	
Chloride (low level)	30 to 600 ppm	FP-05546-16	40	
Chloride	300 to 6000 ppm	FP-05546-18	40	
Free and total chlorine	0 to 10 ppm	FP-05546-20	250 [†]	
Free and total chlorine	1 to 10 ppm	FP-05546-22	50	
Free chlorine	0 to 600 ppm	FP-05546-24	100	
Free and total copper	0 to 3 ppm	FP-05546-26	25	
Total hardness, as CaCO ₃	0 to 425 ppm	FP-05546-28	250 [†]	
Total hardness, as CaCO ₃	1 to 425 ppm	FP-05546-30	50	
Total dissolved iron	0 to 5 ppm	FP-05546-32	25	
Nitrate and nitrite	0 to 50 ppm; 0 to 3 ppm	FP-05546-36	25	
pH (midrange)	4 to 9 pH	FP-05546-40	50	
pH (full range)	0 to 14 pH	FP-05546-42	100	
Phosphorous, o-phosphate	0 to 50 ppm	FP-05546-44	50	

[†]Individually wrapped test strips.

LaMotte® Sanitizer Strength Test Strips

Quickly test your sanitizer strength



- No more waiting for results—simply compare color change to chart to get results
- Keep strips safe in included waterproof vial
- Get a longer shelf life from QAC strips 99535-30 with included desiccant cap

Parameter	Testing range	Catalog number	Qty/vial	Price/vial
QAC	50, 100, 200, and 400 ppm	FP-99532-30	100	
Chlorine	10, 50, 100, and 200 ppm	FP-99532-31	200	
Chlorine, HR	0, 50, 100, 250, 500, and 800 ppm	FP-99532-36	50	
Iodine	12, 25, 50, and 100 ppm	FP-99532-32	200	
Chlorine dioxide	0 to 10 ppm	FP-99532-33	50	
Chlorine dioxide	0 to 500 ppm	FP-99532-34	50	
Peracetic acid	0, 10, 20, 40, 60, 85, and 160 ppm	FP-99532-35	50	

Hach® Pocket Colorimeter™ II Kits

No need to calibrate—just zero and read

NEW

- Get quick, accurate results wherever you go
- Store and recall last ten data points and time
- Rugged, IP67-rated waterproof housing is ideal for field testing



Colorimetric readings couldn't be easier—simply zero the instrument with a blank, insert the reacted sample, and read the result.

What's included: reagents, sample cells, carrying case, and four AAA batteries.

Specifications

- Light source:** LED
- Detector:** silicon
- Wavelength:** fixed ±2 nm
- Pathlength:** 25 mm
- Power:** four AAA batteries (included)

ISO9001:2008
CERTIFIED SUPPLIER



Testing parameter	Testing range (ppm)	Catalog number	Price
Aluminum	0.02 to 0.80	FP-99574-30	
Ammonia	0.01 to 0.80	FP-99574-32	
Bromine	0.05 to 10.0	FP-99574-36	
Chlorine, free [†]	0.02 to 2.00	FP-99574-42	
Chlorine, total [†]	0.1 to 8.0	FP-99574-44	
Chlorine, free and total [†]	0.02 to 8.0	FP-99574-46	
Copper [†]	0.04 to 5.00	FP-99574-58	
Fluoride [†]	0.1 to 2.0	FP-99574-62	
Iron, ferro [†]	0.02 to 5.00	FP-99574-66	
Iron, TPTZ	0.01 to 1.70	FP-99574-68	
Manganese, high range [†]	0.2 to 20.0	FP-99574-72	
Manganese, low range	0.01 to 0.70	FP-99574-74	
Molybdate	0.02 to 12.00	FP-99574-76	
Nitrate	0.4 to 30.0	FP-99574-80	
Ozone	0.01 to 0.75	FP-99574-82	
Phosphate, ortho [†]	0.02 to 3.00	FP-99574-84	
Silica	1 to 100	FP-99574-90	
Sulfate [†]	2 to 70	FP-99574-92	

[†]US EPA accepted method.

[FP-99574-96](#) Speccheck standard for chlorine, DPD

[FP-99574-95](#) Speccheck standard for fluoride

[FP-09376-00](#) Replacement batteries, AAA. Pack of 12

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



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	FP-06499-10	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	FP-06499-20	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	FP-06499-30	500	
36 (1065)	5" x 15" (12.7 x 38.1 cm)	3.0	FP-06499-40	500	
42 (1242)	6" x 15" (15.2 x 38.1 cm)	3.0	FP-06499-50	500	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	3.0	FP-06499-54	500	
Standup sampling bags with white labeling area					
4 (118)	3" x 7¼" (7.6 x 18.4 cm)	2.5	FP-06499-16	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	3.0	FP-06499-21	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	FP-06499-31	500	
27 (798)	5" x 12" (12.7 x 30.5 cm)	3.0	FP-06499-32	250	
36 (1065)	5" x 15" (12.7 x 38.1 cm)	4.0	FP-06499-33	250	
42 (1242)	6" x 15" (15.2 x 38.1 cm)	4.0	FP-06499-34	250	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	4.0	FP-06499-35	250	
Sampling bags with white labeling area					
2 (58)	3" x 5" (7.6 x 12.7 cm)	2.5	FP-06499-60	500	
4 (118)	3" x 7¼" (7.6 x 18.4 cm)	2.25	FP-06499-70	500	
7 (207)	3¾" x 7" (9.5 x 17.8 cm)	2.5	FP-06499-72	500	
13 (384)	5¼" x 7½" (13.3 x 19.1 cm)	2.5	FP-06499-74	500	
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	FP-06499-80	500	
24 (710)	6" x 9" (15.2 x 22.9 cm)	3.0	FP-06499-85	500	
27 (798)	5" x 12" (12.7 x 30.5 cm)	3.0	FP-06499-87	500	
69 (2041)	7½" x 15" (19.1 x 38.1 cm)	3.0	FP-06499-89	500	
92 (2721)	10" x 15" (25.4 x 38.1 cm)	4.0	FP-06499-94	250	
123 (3637)	10" x 20" (25.4 x 50.8 cm)	4.0	FP-06499-98	250	
184 (5441)	15" x 20" (38.1 x 50.8 cm)	4.0	FP-06499-99	100	
"Speci-Sponge" bags for surface sampling with sponge					
18 (532)	4½" x 9" (11.4 x 22.9 cm)	2.5	FP-06499-13	100	
55 (1627)	7½" x 11¾" (19.1 x 29.8 cm)	4.0	FP-06499-14	100	
18 (532)	4" x 9" (10.2 x 22.9 cm)	2.5	FP-06499-52†	100	
Sodium thiosulfate bags for water sampling with tablet					
3½ (100)	3" x 7¼" (7.6 x 18.4 cm)	2.5	FP-06499-90	100	
10½ (300)	4½" x 9" (11.4 x 22.9 cm)	2.5	FP-06499-95	100	
High-temperature bag					
18 (532)	4½" x 9" (11.4 x 22.9 cm)	3.0	FP-06498-16	500	

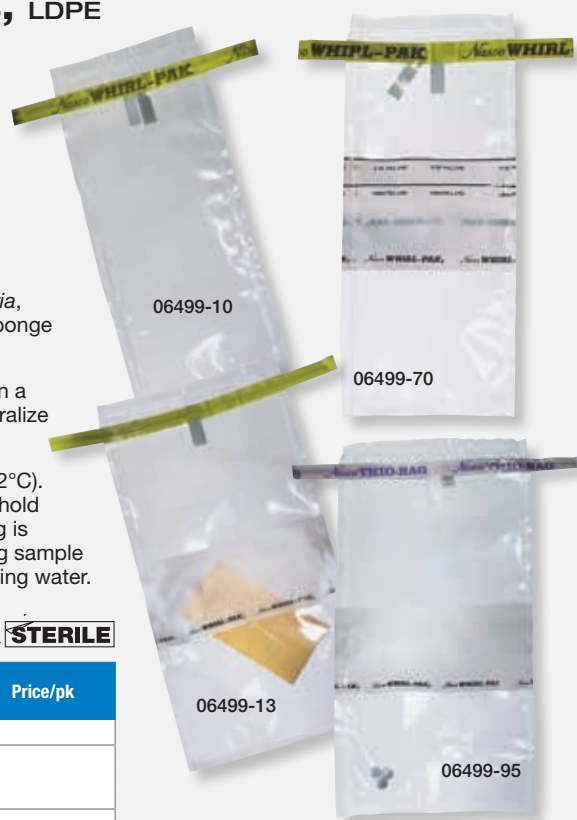
†Model 06499-52 has a sterile glove.

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

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

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

FP-06498-14 Mailing tube for 3½-oz (100 mL) sodium thiosulfate bag. Polyethylene, 5"L x 2" dia (12.7 x 5.1 cm)



Standup bags stay upright



Water scoop holds bag open for easy filling



Mailing tube



Rack



No Waiting!

See inside
for details

Get **exceptional durability** with easy-reading graduations!

Cole-Parmer® Glass Beakers



See page 7

Start **pumping** more quickly—with a complete system

Catalyst™ Peristaltic Pumps



See pages 61–62

Read measurements **clearly** in any environment

Oakton® Waterproof pH 450 Meter



See page 52