

PRECISE SOLUTIONS® for the Laboratory

2015/2016



**NEW
LOOK**
**Same
Trusted
Tip!**

ErgoOne® Pipettes
Pages 8-9



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TipOne®

- ✓ Secure, low-force fit
- ✓ Precision-engineered for accurate and precise delivery
- ✓ Ecodesign – refill, reuse, and recycle
- ✓ Pure – no clarifiers or processing additives
- ✓ Clean – certified free of detectable RNase, DNase, DNA, and pyrogens



Tip volume, re-order number, lot number, and other important information is laser-marked onto each tip wafer - no label required.

Same trusted tip! Our packaging has a new look, but our tips are the same. TipOne® will continue to provide the fit, delivery, and sample protection you depend on.



Excellent Fit and Performance

Choose TipOne for exceptional fit, accurate delivery, and less waste. TipOne fits most pipettes and seals completely with gentle pressure. Smooth walls, flash-free ends, and tight tolerances provide excellent results.

Two collar styles let you select the best fit with your pipettes. The Profile Collar™ is softer and more flexible, and is identified by alternating triangles and columns. Profile Point™ tips have a thinner orifice with decreased surface area to improve sample release. The thinner Profile Wall™ offers greater clarity and reduces plastic.

Eco-Design

TipOne is the original easy-to-load, refillable pipet tip system that saves space and reduces waste. Our new, improved racks and refills use even less plastic than before. Refill packs have been streamlined for greater space savings on your shelf, and to reduce environmental impact during shipping. Components are marked for easy recycling.

Pure and Safe

TipOne is made from pure virgin polypropylene. No clarifiers or processing additives (slip agents, biocides, antistatic agents, etc.) are used. TipOne RPT ultra low retention tips do not contain silicone or removable coatings that could affect your research. TipOne is manufactured in the USA, is certified free of detectable RNase, DNase, DNA and pyrogens, and does not need to be autoclaved for most molecular biology applications. See pages 4 and 5 for ordering information.



TipOne®

- ✓ Long-life racks with ergonomic design
- ✓ Every tip wafer laser-marked for easy identification
- ✓ All tip refills nest for easy storage and space savings

Ergonomic Rack

The improved ergonomics of the new TipOne® rack makes it easier to grasp from the top or the base, providing greater comfort and security. The rack has the same footprint and stability as the original, is just as easy to refill as before, and will last through repeated autoclaving cycles.

Easy Identification

High definition laser markings identify tip volume, lot number, and special properties directly on the tip wafer. When you refill tip racks, all of the important tip information stays with the tips. A 2D barcode provides convenient lot tracing for laboratory information management systems.

Space-Saving Refills

TipOne refills are now easier to identify, handle, and store. A new transfer cover protects tips while loading individual racks. All volumes are nested for space savings, and two separate sleeves provide the flexibility to load fewer racks while keeping the remaining wafers sealed. The outer wrap on each sleeve has a large, easy-grip pull tab.



New TipOne® refill wafers are as easy to use as before; simply snap a wafer into an empty rack and it will stay in place until you are ready to remove it.








Refills have two sealed sleeves per pack for added protection and convenience. All volumes are now nested; 1 ml tip refills use just 1/3 the space of the former packaging.



All refill packs have been redesigned for space savings. 10 and 200 μ l tip refill dimensions have been reduced by 25%. Packaging materials have also been reduced.



TipOne®

	Color Code	Original Collar™	Profile Collar™	Profile Point™	Profile Wall™	 Racks 10 racks of 96 (960 tips)	 Refills 10 wafers of 96 (960 tips)	 Starter Systems 10 full racks and 20 refill wafers (2880 tips)	 Stacks 5 layers of 192 (960 tips)	 Bags (1000 tips)
10 µl graduated	●	✓				1111-3800	1111-3700	1111-3500	1111-3200	1111-3000
10 µl graduated, sterile	●	✓				1111-3810	--	--	1111-3210	--
10/20* µl XL, graduated	●		✓	✓	✓	1110-3800	1110-3700	1110-3500	--	1110-3000
200 µl beveled	●	✓				1111-1800	1111-1700	1111-1500	1111-1200	1111-1000
200 µl beveled, sterile	●	✓				1111-1810	--	--	1111-1210	--
200 µl Profile Point™, graduated	●		✓	✓	✓	1110-1800	1110-1700	1110-1500	1110-1200	1110-1000
300 µl graduated	●		✓		✓	1110-9800	1110-9700	1110-9500	--	1110-9000
1000 µl graduated, blue	●		✓		✓	1111-2821	1111-2721	1111-2521	--	1111-2021
1250** µl XL, graduated	●	✓				1112-1820	1112-1720	1112-1500	--	1112-1020

*10/20 µl XL tips fit most ultra micro pipettes and ErgoOne® 20 µl with ultra micro tip cone.

**1250 µl XL tips fit most 1000 µl pipettes.

More tips online. Not sure which tip is right for you? Contact us for free samples!

TipOne Graduations

Volume	Graduations
10 µl	2.5 and 10 µl
10/20 µl XL	1, 5, 10, and 20 µl
200 µl	10, 50, and 100 µl
300 µl	100, 200, and 300 µl
1000 µl	250, 500, and 1000 µl
1250 µl	100, 250, 500, and 1000 µl

Graduations represent standard laboratory conditions for aqueous solutions. Results may vary depending upon viscosity and temperature.



Same trusted tip! Our packaging has a new look, but our tips are the same. TipOne® will continue to provide the fit, delivery, and sample protection you depend on.



Stacked tips are another way to save space and plastic. Locking layers prevent accidental separation.

All refills nest. New spacers protect tips from contamination and allow long tips to nest (10/20 µl XL, 300 µl, and 1000 µl volumes).



TipOne® RPT

Repel-Polymer Technology



- ✓ Ultra low retention
- ✓ No interference with samples
- ✓ Retains integrity after autoclaving

Pure Delivery

TipOne® RPT ultra low retention technology refines polypropylene tip surfaces at a molecular level, improving the flow dynamics of viscous liquids and other difficult samples. TipOne RPT tips provide exceptional delivery without additives, coatings, or clarifiers that could interact with your samples.

TipOne RPT is certified free of detectable RNase, DNase, DNA and pyrogens and does not need to be autoclaved for most molecular biology applications. However, if autoclaving is necessary, our tips will remain safe and effective.

Recommended applications for TipOne RPT include selected nucleic acids, proteins, and solutions with Triton-X, glycerin, or other components that require an extremely low surface energy for complete sample release. TipOne RPT will also ensure optimum delivery of aqueous and other common laboratory solutions.

Easy Identification

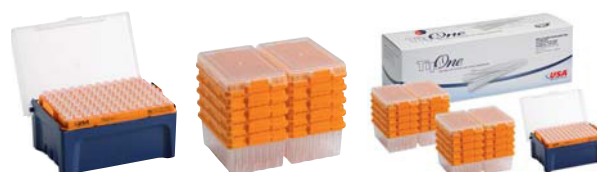
High definition laser markings identify tip volume, lot number, "RPT", and "filter" (if applicable) directly on the tip wafer, eliminating the need for labels. When you refill tip racks, all of the important information stays with the tips. All tip refills are in space-saving, nested stacks. See pages 2 and 3 for additional information.



All ultra low retention tips have orange wafers with "RPT" next to the volume.



Each wafer is clearly marked to eliminate the need for labels.



	Original Collar	Profile Collar™	Profile Point™	Profile Wall™	Racks 10 racks of 96 (960 tips)	Refills 10 wafers of 96 (960 tips)	Starter Systems 10 full racks and 20 refill wafers (2880 tips)
10 µl graduated (2.5, 10 µl)	✓				1161-3800	1161-3700	1161-3500
10/20* µl XL, graduated (1, 5, 10, 20 µl) Now in low retention!			✓	✓	1160-3800	1160-3700	1160-3500
200 µl beveled	✓				1161-1800	1161-1700	1161-1500
200 µl Profile Point™, graduated (10, 50, 100 µl)		✓	✓	✓	1163-1800	1163-1700	1163-1500
300 µl graduated (100, 200, 300 µl)		✓		✓	1160-9800	1160-9700	1160-9500
1250** µl XL, graduated (100, 250, 500, 1000 µl)	✓				1161-1820	1161-1720	1161-1520

*10/20 µl XL tips fit most ultra micro pipettes and ErgoOne® 20 µl with ultra micro tip cone.

**1250 µl XL tips fit most 1000 µl pipettes.

Not sure which tip is right for you? Contact us for free samples!



TipOne® Filter Tips

- ✓ Proprietary UHDPE filters block >99% of aerosols
- ✓ Tip info is laser marked on each wafer

Trusted Performance

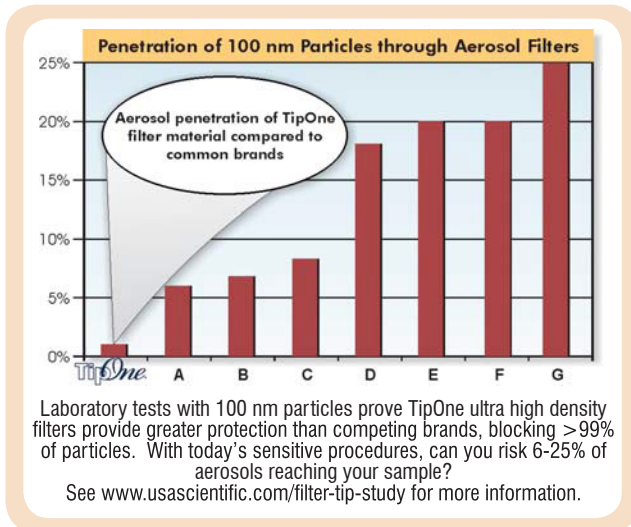
TipOne filter tips block >99% of aerosols to prevent cross-contamination. Only pure virgin polypropylene without clarifiers or processing additives (slip agents, biocides, antistatic agents, etc.) is used. With TipOne, your results will not be compromised by potentially bioactive ingredients. Sterilized and certified free of detectable RNase, DNase, DNA, and pyrogens.

Easy Identification

High definition laser markings identify volume, lot number, and "filter" directly on the tip wafer, eliminating the need for labels. All information is easy to read while the rack is open or closed.

Eco-Friendly

New TipOne racks have been redesigned to use less plastic. They will also accept our new sterile filter tip refill cassettes. See page 7 for more information.



Filter Tip Racks

Sterile and certified free of detectable RNase, DNase, DNA, and pyrogens. 10 racks of 96 (960 tips).

	Original Collar	Profile Collar™	TipOne®	TipOne® RPT Ultra low retention
10 µl graduated (2.5, 10 µl)	✓		1121-3810	1181-3810
10/20* µl XL, graduated (1, 5, 10, 20 µl)		✓	1120-3810	1180-3810
20 µl Profile Point™, graduated (10 µl)		✓	1123-1810	1183-1810
20 µl beveled	✓		1120-1810	1180-1810
50 µl beveled	✓		1120-2810	--
100 µl Profile Point™, graduated (10, 50, 100 µl)		✓	1123-1840	1183-1840
100 µl beveled	✓		1120-1840	1180-1840
155 µl beveled	✓		1124-5810	--
200 µl graduated (50, 100, 200 µl)	✓		1120-8810	1180-8810
300 µl graduated (100, 200, 300 µl)		✓	1120-9810	1180-9810
1000 µl	✓		1126-7810	--
1000 µl XL, graduated (100, 250, 500, 1000 µl)	✓		1122-1830	1182-1830

*Fits ultra micro pipettes and ErgoOne® 20 µl with ultra micro tip cone.

Not sure which tip is right for you? Contact us for free samples!

TipOne®

Filter Tip Refills



Filter Tip Refills

- ✓ **NEW!** Filter tip refills drop right into new TipOne® racks*!
- ✓ Tips are fully protected from accidental contact
- ✓ Same trusted TipOne filters block >99% of aerosols
- ✓ Eco-friendly design saves up to 63% polypropylene

*Filter tip refills are for use inside new TipOne racks only. New racks have "TipOne" on the front and three indentations on each short side.

Looking for a truly easy filter tip refill? There is no need to line up tips or worry about accidental contact with TipOne filter tip refill cassettes.

Easy to Use

Each filter tip refill is individually wrapped and has an easy-grip pull tab. Just unwrap the cassette, drop it into an empty TipOne rack, and remove the transfer cover. Filter tip refills are sterile and certified free of detectable RNase, DNase, DNA, and pyrogens. Autoclaving is not necessary and is not recommended.

Eco-Friendly

Refill bases and covers are #5 polypropylene and are marked for easy recycling with wafers and racks. Filter tip refills can **save up to 63%** of the plastic required for individual racks and 20% of the storage space.

Starter Packs

Convenient starter packs include ten racks of filter tips and ten refill cassettes for a total of 1920 filter tips. It's a great way to get your lab started with TipOne filter tip refills.



It's that easy!

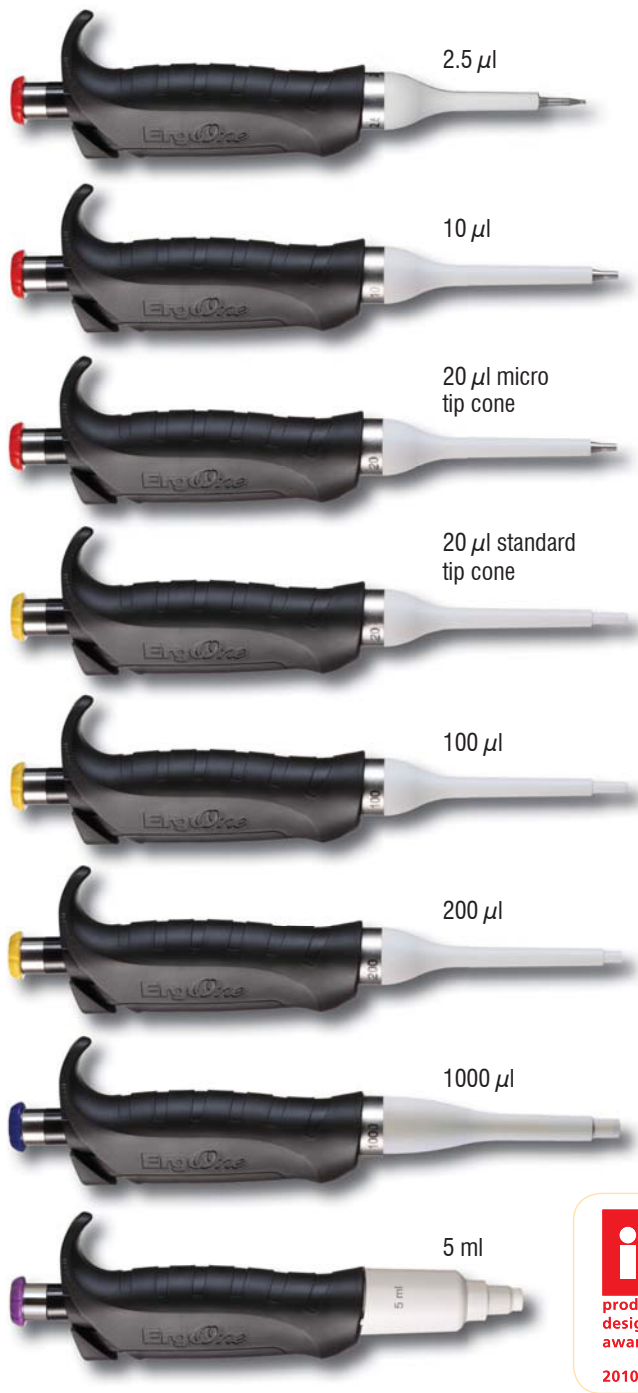
Sterile filter tip refills are packed 10/box.



Filter Tip Refill Cassettes Sterile and certified free of detectable RNase, DNase, DNA, and pyrogens. Use with new, improved TipOne racks only.	Original Collar	Profile Collar™	TipOne®		TipOne® RPT Ultra low retention	
			Box of 10 refills (960 tips)	Starter Pack of 10 racks and 10 refills (1920 tips)	Box of 10 refills (960 tips)	Starter Pack of 10 racks and 10 refills (1920 tips)
10 µl graduated (2.5, 10 µl)	✓		1121-2710	1121-2510	1181-3710	1181-3510
10/20** µl XL, graduated (1, 5, 10, 20 µl)		✓	1120-3710	1120-3510	1180-3710	1180-3510
20 µl Profile Point™, graduated (10 µl)		✓	1123-1710	1123-1510	1183-1710	1183-1510
20 µl beveled	✓		1120-1710	1120-1510	1180-1710	1180-1510
50 µl beveled	✓		1120-2710	1120-2510	--	--
100 µl Profile Point™, graduated (10, 50, 100 µl)		✓	1123-1740	1123-1540	1183-1740	1183-1540
100 µl beveled	✓		1120-1740	1120-1540	1180-1740	1180-1540
155 µl beveled	✓		1124-5710	1124-5510	--	--
200 µl graduated (50, 100, 200 µl)	✓		1120-8710	1120-8510	1180-8710	1180-8510
300 µl graduated (100, 200, 300 µl)		✓	1120-9710	1120-9510	1180-9710	1180-9510
1000 µl	✓		1126-7710	1126-7510	--	--
1000 µl XL, graduated (100, 250, 500, 1000 µl)	✓		1122-1730	1122-1530	1182-1730	1182-1530

**Fits ultra micro pipettes and ErgoOne® 20 µl with ultra micro tip cone.

Ergo



Reproducible Results

ErgoOne® pipettes are engineered and manufactured to meet strict accuracy and precision specifications. High quality materials provide reproducible results day after day. Each pipette carries an individual serial number and is supplied with a certificate of EN ISO 8655 quality test results.

The four-digit display helps you specify a more accurate and reproducible volume, while the volume control locks into place to eliminate drifting or changing during use.

Stress-Relieving Ergonomic Design

Smooth, even plunger forces give you maximum control over sample delivery while minimizing repetitive strain. Tip application requires minimal pressure for complete sealing, and the light, balanced weight reduces fatigue. The handle and curved support hook promote a natural, relaxed grip, and the body length has been optimized for reduced arm stress.

The four-digit volume display is viewable during use by both left and right handed users. The volume can be quickly changed with minimal effort, and our popular No-Drift™ volume lock can be set and released with just one hand.

ErgoOne multichannel tip cone o-rings reduce the tip attachment and ejection forces required for 100 µl and 300 µl pipettes. O-rings also reduce wear on the tip cones and provide better sealing and compatibility with various tips.

Designed by Researchers

We put our years of liquid handling experience to work to create a pipette that reflects your needs. Consulting with laboratory researchers throughout the process, our design team combined the most requested features with the latest ergonomic findings to create an optimized pipette that will become your new favorite.

Durable Construction

ErgoOne pipettes will withstand the rigors of daily laboratory use and are fully autoclavable. The exterior is made with durable UV- and chemical-resistant polypropylene. Single channel 2.5 µl, 10 µl, and 20 µl ultra micro pipettes have stainless steel tip cones for longer life. All ErgoOne pipettes have a three-year warranty.



4-digit display for increased accuracy



Curved, ergonomic support and No-Drift™ volume lock



Plunger forces maximize control and minimize strain



Stainless steel ultra micro tip cones for longer life (single channels)

One®

Pipetting optimized.

- ✓ Plunger forces maximize control with minimal stress
- ✓ No-Drift™ volume lock
- ✓ Comfortable grip and weight
- ✓ Centrally located 4-digit display
- ✓ Autoclavable

ErgoOne® Single Channel

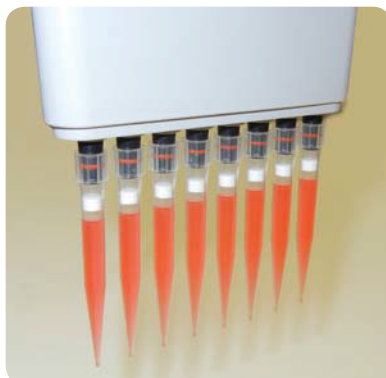
7100-0125, 0.1-2.5 μ l
7100-0510, 0.5-10 μ l
7100-0221, 2-20 μ l, ultra micro tip cone
7100-0220, 2-20 μ l, standard tip cone
7100-1100, 10-100 μ l
7100-2200, 20-200 μ l
7110-1000, 100-1000 μ l
7150-5000, 500-5000 μ l

ErgoOne® Eight Channel

7108-0510, 0.5-10 μ l
7108-1100, 10-100 μ l
7108-3300, 30-300 μ l

ErgoOne® Twelve Channel

7112-0510, 0.5-10 μ l
7112-1100, 10-100 μ l
7112-3300, 30-300 μ l



Protect your samples and pipette a full 300 μ l with the advantages of a filter tip. TipOne® 300 μ l graduated tips are available with or without a filter, and in standard or ultra low retention polypropylene. See pages 2-7 for more information.

Pipette Support Stands



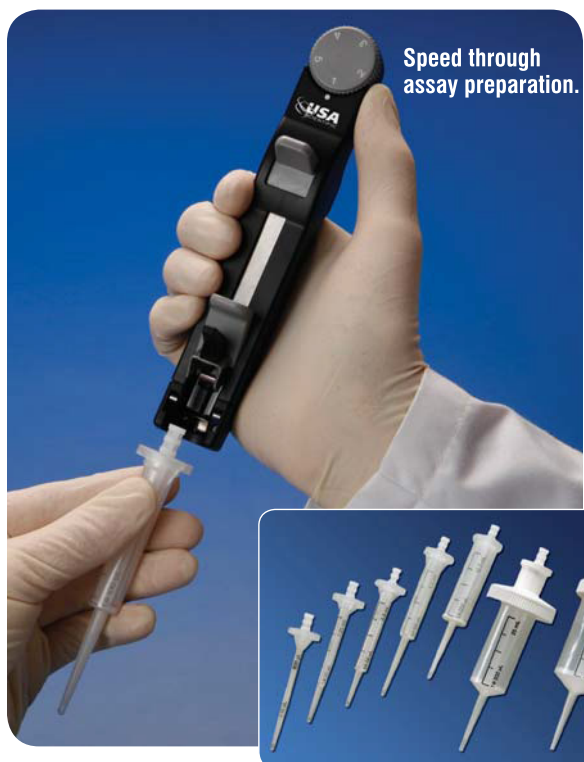
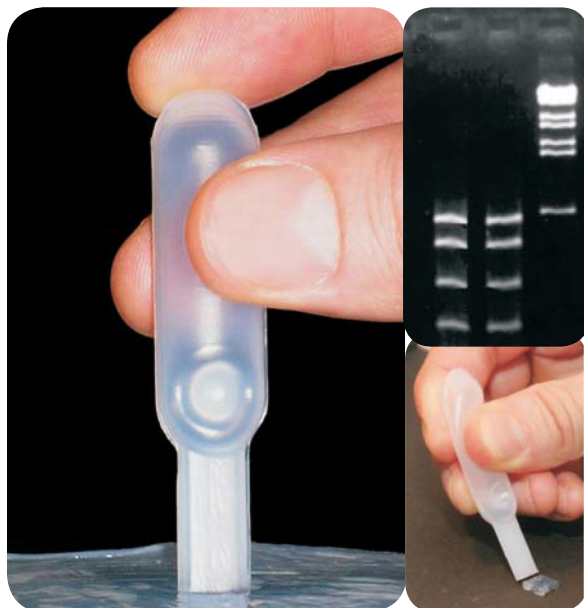
ErgoOne® carousel stands are durable and versatile. Each stand holds up to 8 single or multichannel pipettes and will work with a variety of pipette brands. Weighted metal base prevents tipping.

7200-0000
ErgoOne carousel stand



Linear white acrylic stand holds single or multichannel pipettes with curved finger rests. Compatible with most common brands.

3071-0560
Linear acrylic stand



5 ml Pipette Tips

Graduated every 0.5 ml from 1-5 ml. RNase, DNase, and DNA free. Sterile tips are also non-pyrogenic. Tips fit ErgoOne® and Gilson® Pipetman® brands; 5 ml tips for other pipettes are also available. Polypropylene.

1050-0000, 5 ml tip, 2 bags of 250 (500)
1050-0700, 5 ml tip, 10 racks of 50 (500)
1050-0710, 5 ml tip, 10 racks of 50 (500), sterile
1050-0810, 5 ml filter tip, 10 racks of 50 (500), sterile

Gel-Saver® Pipette Tips

68.5 mm length and narrow, round 0.6 mm OD orifice for easier gel loading. Fits most 20, 50, 100, and 200 μ l pipettes. Natural polypropylene.

1022-0600, 200 μ l, 5 racks of 204 (1020)
1022-0610, 200 μ l, 5 racks of 204 (1020), sterile
1022-0000, 200 μ l, 1000/bag
1022-0810, 100 μ l filter tip, 5 racks of 204 (1020), sterile

x-tracta™ Gel Band Removal Tool

Get cleaner DNA in less time and with less effort. x-tracta cuts and holds gel bands until you are ready to release them. Eliminates cross contamination from scalpels or tweezers; also speeds up band removal to minimize UV exposure time and protect both samples and users.

5454-0100, 100/pack
5454-2500, 25/pack

Repeating Pipette

Repetitive dispensing of 10 μ l to 5 ml with just one tool.

Speed through assays with precision. Positive displacement system ensures accuracy, even with high or low density solutions. Two year warranty.

4736-8025, Manual repeating pipette
4756-2500, Adapter for 25 ml tips, 1/pack
4756-5000, Adapter for 50 ml tips, 1/pack

TipOne® for Repeating Pipettes

TipOne® brand tips fit the dispenser above and selected dispensers with digital displays and automatic tip recognition. Contact us for samples to confirm functionality with your pipette. 100/pack; sterile tips are individually wrapped. One adapter is included with each pack of 25 and 50 ml tips.

Total Volume	Non-Sterile	Sterile
0.1 ml	4751-0010	4761-0010
0.5 ml	4751-0050	4761-0050
1.0 ml	4751-0100	4761-0100
2.5 ml	4751-0250	4761-0250
5.0 ml	4751-0500	4761-0500
10.0 ml	4751-1000	4761-1000
25.0 ml	4751-2500	4761-2500
50.0 ml	4751-5000	4761-5000

x-tracta™ is a trademark of LabGadget, LLC.

ErgoOne[®] FAST

PIPETTE CONTROLLER



- ✓ Fits pipets from 1 to 100 ml
- ✓ Touch-sensitive speed control with gravity drain
- ✓ Comfortable grip and weight
- ✓ Provides hours of use between charges
- ✓ Fills a 25 ml pipette in less than 4 seconds

New! ErgoOne[®] FAST cordless pipette controller provides the power and responsiveness you need. Whether working with large or small volumes, or standard or viscous solutions, ErgoOne FAST allows accurate, precise measurements with easy two-speed fingertip control. Choose from fast transfers, slow and controlled aspirations and deliveries, or a combination of speeds. There are no dials to adjust, and the gravity-drain feature releases liquids smoothly with no utilization of battery power.

ErgoOne FAST is also comfortable to hold and operate, and weighs less than 5.7 oz. The lithium-polymer battery provides hours of use and recharges quickly. ErgoOne FAST may also be used while charging. The indicator light color lets you know when the lithium-polymer battery is full (green), half-charged (yellow), or almost empty (red). Light color changes also indicate progress while charging.

The aspirating cone is autoclavable and the silicone pipet holder accepts pipets from 1 to 100 ml. ErgoOne FAST is supplied with a wall mount holder, two 0.45 μ m filters, one 0.2 μ m filter, rechargeable battery, and charger. Two-year warranty.

7166-0010, ErgoOne FAST pipette controller



Touch-sensitive speed for control without dials or settings



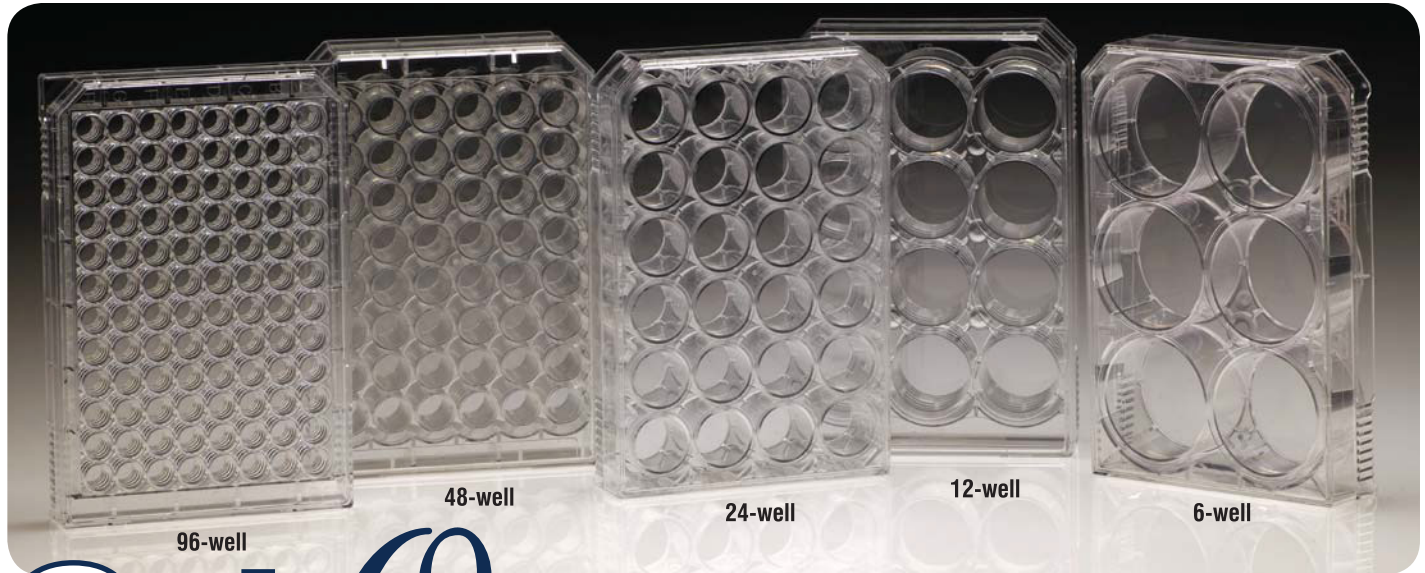
Battery life indicator changes color with full, half, or almost empty charge

Serological Pipets

Polystyrene pipets are individually wrapped in paper-backed plastic wrappers. Volume indicators are large and easy to read; 5, 10, 25, and 50 ml pipets include ascending and descending numbers. Negative graduations provide extra capacity. Color coded by volume for quick identification. Sterile, non-cytotoxic, and certified free of detectable RNase, DNase, and pyrogens.

1070-1210, 1 ml, 0.1 ml graduations, 100/sleeve, 1000/case
1072-0510, 2 ml, 0.01 ml graduations, 100/sleeve, 500/case
1075-0110, 5 ml, 0.1 ml graduations, 50/sleeve, 200/case
1071-0810, 10 ml, 0.1 ml graduations, 50/sleeve, 200/case
1072-5410, 25 ml, 0.2 ml graduations, 50/sleeve, 200/case
1057-1010, 50 ml, 0.5 ml graduations, 25/sleeve, 100/case



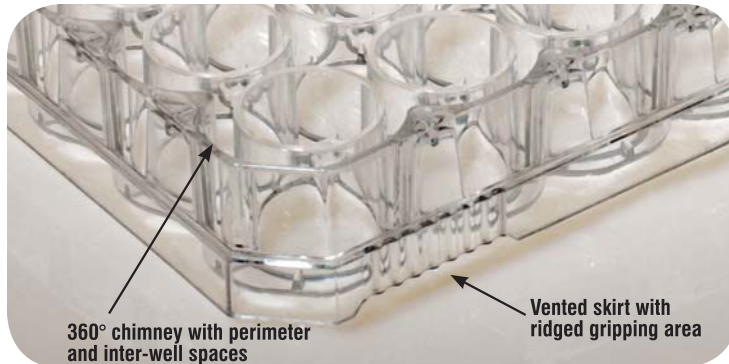


CytoOne®

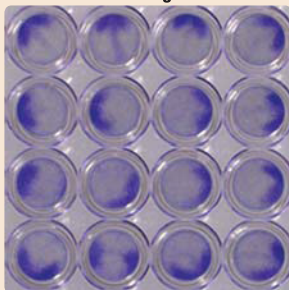
CELL CULTURE PERFORMANCE WARE™

CytoOne® plates combine easy, secure handling with excellent cell growth.

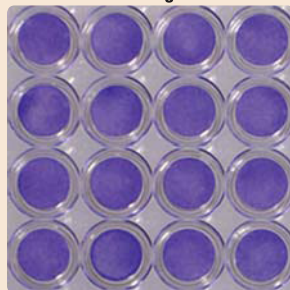
- ✓ **Prevent accidents** - ridged bases make pickup and handling easy, even with damp gloves
- ✓ **Prevent cross-contamination** with 360° Protection Perimeter™ wells
- ✓ **Reduce edge-effects** without sacrificing wells by filling perimeter and inter-well spaces



Common edge effect



Reduced edge effect



Filling the inter-well spaces of our 360° chimney design with DMEM during incubation helps create a more uniform cell layer. See usascientific.com/prevent-edge-effect for more information.

Multiple Well Plates

CytoOne plates have crystal-clear surfaces for distortion-free microscopy. Non-reversible lids with condensation rings minimize contamination and are vented for improved gas exchange. Support tabs reduce surface contact when lids are set aside. CytoOne also features molded alphanumeric for well identification, frosted writing surfaces, and complete 360° Protection Perimeter chimney wells to minimize edge effects and prevent cross contamination.

Trust CytoOne for consistent surfaces with certified testing. All plates are manufactured from optically clear, premium grade, virgin polystyrene under ISO 9001 standards with rigorous quality control. Certified DNase, RNase, DNA, and pyrogen free; non-cytotoxic. Gamma sterilized.

TC Treated Plates

Flat-bottom. Individually wrapped with lids. 50/case.

CC7682-7506, 6-well, clear
 CC7682-7512, 12-well, clear
 CC7682-7524, 24-well, clear
 CC7682-7548, 48-well, clear
 CC7682-7596, 96-well, clear

Non-Treated Plates

Flat-bottom. Individually wrapped with lids. 50/case.

CC7672-7506, 6-well, clear
 CC7672-7524, 24-well, clear
 CC7672-7548, 48-well, clear
 CC7672-7596, 96-well, clear

CytoOne®

CELL CULTURE PERFORMANCE WARE™

Cell Culture Dishes

- ✓ **Prevent accidents** - beveled bases and lid tabs allow safe and easy pickup and handling
- ✓ **Prevent accidental lid removal** - vented rims reduce condensation and surface tension between dishes
- ✓ **Prevent contamination** – small sleeve quantities expose fewer dishes

CytoOne® cell culture dishes offer easy handling and excellent growth. Sturdy flat bases resist bowing and warping. Manufactured from optically clear, premium grade polystyrene under ISO 9001 standards with rigorous quality control. Certified DNase, RNase, DNA, and pyrogen free; non-cytotoxic. Gamma sterilized.

	TC Treated	Non-Treated
35 x 10 mm 10/sleeve, 300/case	CC7682-3340	CC7672-3340
60 x 15 mm 10/sleeve, 300/case	CC7682-3359	CC7672-3359
100 x 20 mm 10/sleeve, 300/case	CC7682-3394	CC7672-3394
150 x 20 mm 5/sleeve, 60/case	CC7682-3614	CC7672-3614



Cell Culture Flasks

- ✓ **Easy-access wide necks** feature anti-drip collars
- ✓ **Anti-tip skirts** and base bars reduce accidents
- ✓ **Zip top bags** reseal without tape to protect unused flasks

CytoOne flasks are 100% pressure tested for leak-free assurance. High optical clarity provides distortion-free microscopy. Flasks are manufactured from premium grade polystyrene under ISO 9001 standards with rigorous quality control. Certified DNase, RNase, DNA, and pyrogen free; non-cytotoxic. Gamma sterilized.

	TC Treated Flask Filter Cap	TC Treated Flask 2-Position Cap	Non-Treated Flask 2-Position Cap
T25, 10/sleeve 300/case	CC7682-4825	CC7682-4325	CC7672-4325
T75, 5/sleeve 100/case	CC7682-4875	CC7682-4175	CC7672-4175
T150, 5/sleeve 40/case	CC7682-4815	CC7682-4415	--
T225, 5/sleeve 25/case	CC7682-4822	CC7682-4225	CC7672-4225



Vented filter caps

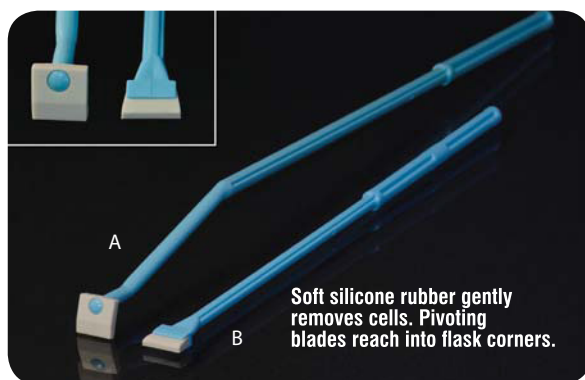
Cell Lifters and Scrapers

Gentle silicone rubber blades are easy on cells. Pivoting blades reach into corners easily; flexible ABS handles provide better contact inside flasks. Fixed blade scraper lifts cells from 6-, 12-, or 24-well plates or dishes. Individually wrapped (25/inner pack, 100/case). Gamma sterilized.

CC7600-0250, 10 mm pivoting blade, 25 cm handle (not shown)

CC7600-0320, 12 mm pivoting blade, 32 cm handle (A)

CC7600-0220, 11 mm fixed blade, 22 cm handle (B)



TempPlate® PCR Plates

Get rapid, even heat transfer for consistent and effective PCR. 96-well plates have sample wells that are up to 20% thinner than other brands for faster temperature equilibration. All plates have high visibility alphanumeric for easier well identification; tamper-evident sleeves minimize exposure. Manufactured in the USA from non-autofluorescent, FDA approved virgin polypropylene.

- ✓ Real-time compatible
- ✓ Certified RNase, DNase, DNA, and PCR inhibitor free
- ✓ Tested pyrogen free
- ✓ More styles and colors available
- ✓ Contact us for free samples!

Semi-Skirted 96-Well Plates

Rimmed wells minimize cross contamination. Two/sleeve (except barcoded), 10/box.

0.2 ml; Contoured Skirt

Fits most cyclers, including ABI Prism and GeneAmp systems.
1402-9700, A12 corner notch, natural
1402-9790, A12 corner notch, white

0.2 ml; Straight Skirt

1402-9200, A12 corner notch, natural

0.2 ml; Contoured Skirt and Raised Sides

1402-9300, A12 corner notch, natural

0.1 ml; Low Profile, Straight Skirt

Fits the LightCycler 480. H12 corner notch.
1402-9990, White
1422-9990, White, barcode on A1-A12 side **New!**
1402-9900, Natural
1422-9900, Natural, barcode on A1-A12 side **New!**

0.1 ml; Low Profile, Straight Skirt, Raised Sides

Fits ABI Fast™ cyclers.
1402-9100, A1 corner notch, natural
1402-9190, A1 corner notch, white

Non-Skirted 96-Well Plates

Rimmed wells minimize cross contamination. Two/sleeve, 10/box.

0.2 ml

1402-9596, A12 corner notch, natural
1402-9598, A12 corner notch, assorted colors
1402-9589, A12 corner notch, white

0.1 ml; Low Profile

1402-9500, H12 corner notch, natural
1402-9590, H12 corner notch, white

Full-Skirted 96-Well Plates

0.1 ml low profile, rimmed wells, stackable. Two/sleeve, 10/box.

1402-9800, A12 corner notch, natural
1402-9890, H1 corner notch, white

Full-Skirted 384-Well Plates

Conical flat-bottom wells with raised rims. A24 and P24 corner notches. LightCycler compatible. Ten/box.

1438-4600, Natural
1458-4600, Natural, barcode on A1-A24 side **New!**
1438-4690, White
1458-4690, White, barcode on A1-A24 side **New!**

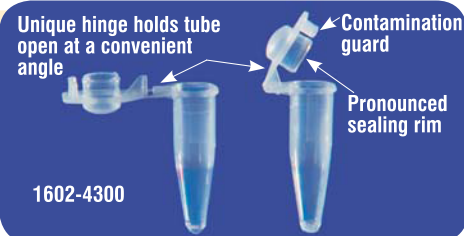


ABI FAST™, ABI Prism®, and GeneAmp® are trademarks of Applied Biosystems Corporation. LightCycler® is a trademark of Roche Diagnostics GmbH, LLC.

SealRite® Individual PCR Tubes

Polypropylene tubes with superior sealing, contamination guard, and positionable hinged lid. Certified free of detectable RNase, DNase, and DNA free. 1000/box.

1602-4300, 0.2 ml, natural, dome caps



TempAssure®

Flex-free strips resist bending while handling. Non-autofluorescent, virgin polypropylene. Certified free of RNase, DNase, DNA, and PCR inhibitors. Tested pyrogen free. Contact us for samples!

8-Tube Flex-Free Strips with Individually Attached Caps

Convenient strips have individual **optically clear** flat caps to reduce cross-contamination. 120 strips of 8 per box (960 tubes).

1402-4700, 0.2 ml, natural 1402-2300, 0.1 ml, natural
1402-4780, 0.2 ml, white 1402-2380, 0.1 ml, white
1402-4708, 0.2 ml, assorted colors

8-Tube Strips with Strip Caps

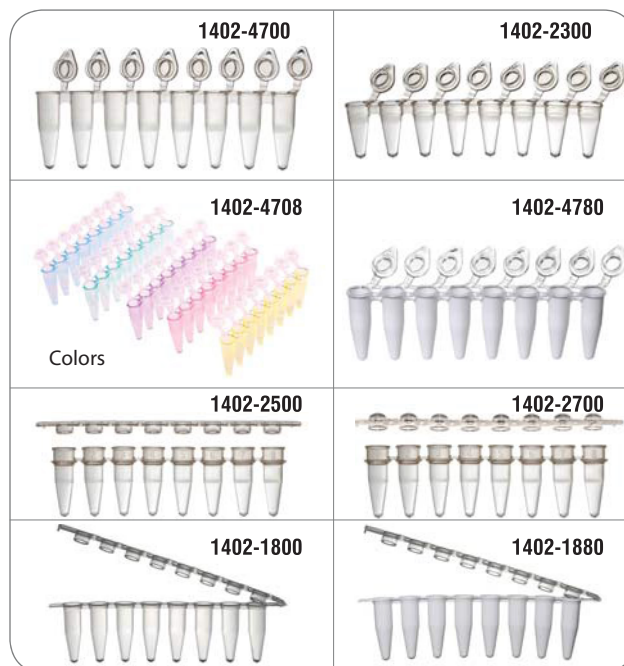
Strip caps for quick sealing. 125 strips of 8 per box (1000 tubes).

1402-2500, 0.2 ml, natural, **optically clear** flat caps
1402-2580, 0.2 ml, white, **optically clear** flat caps
1402-2700, 0.2 ml, natural, dome caps
1402-2708, 0.2 ml, assorted colors, dome caps

8-Tube Flex-Free Strips with Attached Strip Caps

Optically clear flat cap strips are hinged to the tube strips at one end. 125 strips of 8 per box (1000 tubes).

1402-1800, 0.2 ml, natural
1402-1880, 0.2 ml, white
1402-1808, 0.2 ml, assorted colors



TempPlate® PCR Sealing Options

All TempPlate® seals are certified free of detectable RNase, DNase, and nucleic acids. "Standard cut" film extends to the edges of the plate. The universal "inset cut" also fits plates with raised sides.

	Traditional PCR Films		Real-Time (Optically Clear) PCR Films		PCR Foils	
	TempPlate®	TempPlate® XP	TempPlate® RT	TempPlate® RT Select	TempPlate®	TempPlate® Single Tab
	BEST SELLER Easy to apply and remove.	NEW! Best evaporation and tear resistance.	Clear formulation and ultra-smooth adhesive minimize light distortion.	Silicone adhesive. No-curl formulation stops edge effects. Won't stick to gloves.	BEST SELLER Blocks light and provides an excellent moisture barrier.	Easy removal with non-perforated tab. Blocks light and moisture.
Standard Cut, Non-Sterile	2921-0000	2972-2100	2978-2100	--	2923-0100	2938-4100
Inset Cut, Non-Sterile	--	2928-0100	2978-2700	2921-7800	--	2939-6100
Standard Cut, Sterile	2921-0010	--	--	2921-7810	2923-0110	--
End Tab(s)	2	2	2	2	2	1, not perforated
Temperature Range	-40°C to +120°C	-40°C to +120°C	-40°C to +120°C	-70°C to +100°C	-80°C to +120°C	-80°C to +120°C
Pierceable	No	No	No	No	Yes	Yes
Quantity	100	100	100	100/50*	100/50*	100

*Non-sterile 100/box, sterile 50/box



PlateOne® Deep Well Plates

- High contrast, easy to read alphanumerics
- Raised rims enhance sealing and reduce cross contamination
- Plates stack without damage to sealing films or foils
- Bottom shape indicator on each plate

Solvent-resistant PlateOne® polypropylene plates are ideal for sample preparation, storage, screening, analysis, and bacteria or yeast cultures. The plates have excellent centrifugation strength and etched alphanumerics that won't rub off. Rounded conical well bottoms minimize dead sample volumes and are clear for easy viewing. No biocides or processing additives are used during production. Your results will not be compromised by potentially bioactive ingredients. Deep well plates meet standards ANSI/SLAS 1-2004, 3-2004, and 4-2004. Certified free of detectable RNase, DNase, and DNA. Sterile plates are also certified pyrogen free.

PlateOne Temperature and Centrifugation Specifications

Temperature range	-86°C to 125°C
Centrifugation, ambient	6,000* x g, 60 min
Centrifugation, 4°C	6,000* x g, 20 min

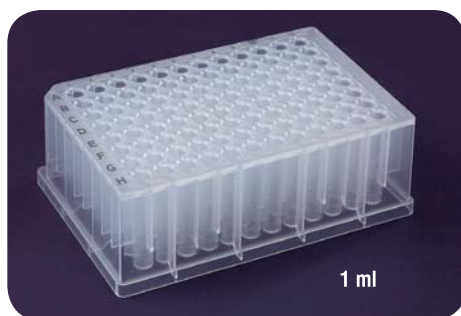
*Sterile plates have a maximum rate of 5,000 x g.
See usascientific.com for additional information.

96-Well 2 ml Plates

Square wells; rounded conical bottoms. 100-2000 μ l working volume, 44.1 mm H.

1896-2000, bulk, 20/pack
1896-2800, 5/sleeve, 20/pack
1896-2110, 1/sleeve, 20/pack, sterile

96-Well 1 ml Plates



Round wells; rounded conical bottoms.
50-1000 μ l working volume, 44.1 mm H.

1896-1000, bulk, 20/pack
1896-1800, 5/sleeve, 20/pack
1896-1110, 1/sleeve, 20/pack, sterile

Seal with film, foil, or:

5638-1070, EVA round well mat, 50/case
1775-3001, TPE Capcluster, 10 mats/pack

96-Well 0.5 ml Plates



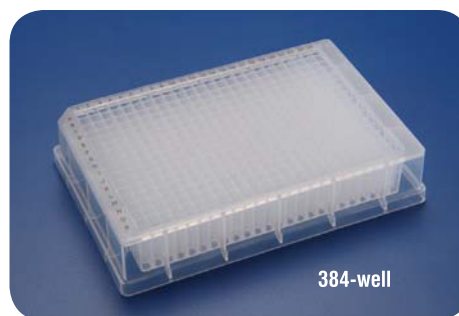
Round wells; rounded conical bottoms.
30-500 μ l working volume, 27.1 mm H.

1896-5000, bulk, 32/pack
1896-5800, 8/sleeve, 32/pack
1896-5110, 1/sleeve, 32/pack, sterile

Seal with film, foil, or:

5638-1070, EVA round well mat, 50/case
1775-3001, TPE Capcluster, 10 mats/pack

384-Well 200 μ l Plates

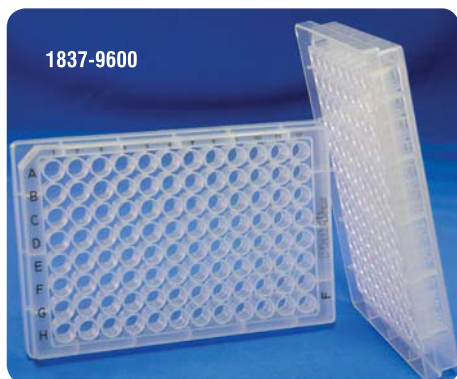


Rounded square wells prevent capillary wicking.
20-200 μ l working volume, 25.1 mm H.

1884-2000, bulk, 40/pack
1884-2400, 10/sleeve, 40/pack
1884-2410, 1/sleeve, 40/pack, sterile

Seal with film or foil:

See page 15 for TempPlate® RT Select film or TempPlate® foil.



PlateOne® Multiple Well Plates

PlateOne 96-well plates have chimney wells to prevent cross-contamination, easy to read alphanumerics, and a bottom shape indicator letter (F, U, or V). All plates have stacking skirts and meet standards ANSI/SLAS 1-2004 through 4-2004. 20/sleeve, 80/case.

	F-Bottom	U-Bottom	V-Bottom
96-well	50-370 μ l	25-320 μ l	25-320 μ l
Non-sterile	1837-9600	1830-9600	1833-9600
Sterile	1837-9610	1830-9610	1833-9610
384-well	15-140 μ l	--	10-125 μ l
Non-sterile	1843-8400	--	1823-8400
Sterile	1843-8410	--	1823-8410

Stainless Steel Freezer Racks

Individual compartments hold standard plastic or cardboard boxes measuring $5\frac{1}{4}$ " L x $5\frac{1}{4}$ " W x 2" H. All are $5\frac{1}{2}$ " deep unless otherwise indicated.

Upright Freezer Racks

2602-3300, 3 L x 3 H, $16\frac{5}{16}$ " x $6\frac{5}{8}$ " H
2602-3400, 3 L x 4 H, $16\frac{5}{16}$ " x $8\frac{7}{8}$ " H
2602-4300, 4 L x 3 H, $21\frac{5}{8}$ " x $6\frac{5}{8}$ " H
2602-4400, 4 L x 4 H, $21\frac{5}{8}$ " x $8\frac{7}{8}$ " H
2602-4500, 4 L x 5 H, $21\frac{5}{8}$ " x 11" H

Upright Freezer Racks with Drawers

Load by sliding boxes through the sides of the frame.

2632-3300, 3 L x 3 H, $16\frac{1}{2}$ " x $7\frac{1}{8}$ " H
2632-3400, 3 L x 4 H, $16\frac{1}{2}$ " x $9\frac{7}{16}$ " H
2632-4400, 4 L x 4 H, 22" x $9\frac{7}{16}$ " H
2632-4500, 4 L x 5 H, 22" x $11\frac{13}{16}$ " H

Chest Freezer Racks with Locking Rods

2602-1100, 1 L x 11 H, $5\frac{5}{8}$ " x $24\frac{3}{16}$ " H
2602-1200, 1 L x 12 H, $5\frac{5}{8}$ " x $26\frac{3}{8}$ " H



Eco-Design Stainless Steel Racks

Turned ridges support $5\frac{1}{4}$ " L x $5\frac{1}{4}$ " W x 2" H boxes, saving the weight and material of standard shelves. Frost buildup is also reduced.

2623-3400, 3 L x 4 H, $16\frac{5}{16}$ " x $5\frac{1}{2}$ " x $8\frac{7}{8}$ " H
2623-4400, 4 L x 4 H, $21\frac{5}{16}$ " x $5\frac{1}{2}$ " x $8\frac{7}{8}$ " H



Eco-design rack

Universal Rack for Multiple Height Boxes

Versatile racks without shelves hold 2" H, 3" H, and other boxes with a $5\frac{1}{4}$ " x $5\frac{1}{4}$ " footprint. Ideal if your storage needs change over time. See our website for capacity information.

2600-3230, 3-place, $16\frac{5}{16}$ " x $5\frac{1}{2}$ " x $8\frac{1}{4}$ " H
2600-4230, 4-place, $21\frac{5}{8}$ " x $5\frac{1}{2}$ " x $8\frac{1}{4}$ " H

3-place universal rack (no shelves)

Universal rack holds 2", 3", and taller boxes



Racks for Multiple Well Plates

Upright freezer racks hold plates with a 5" x $3\frac{3}{8}$ " footprint. See website for more information.

2652-0957, 5 L x 2 H, $18\frac{3}{8}$ " x $5\frac{1}{2}$ " x $9\frac{3}{16}$ " H
2662-0957, 6 L x 2 H, 22" x $5\frac{1}{2}$ " x $9\frac{3}{16}$ " H
2696-4600, 6 L x 4 H, $21\frac{1}{2}$ " x $5\frac{7}{16}$ " x $9\frac{11}{16}$ " H

Multiple Well Plate Rack Capacity

Cat. No.	Style	With Lids	Without Lids
2652-0957	Standard	70	80
2662-0957	Standard	84	96
2696-4600	Drawer	72	96





2344-1000



2396-5048



2381-5048



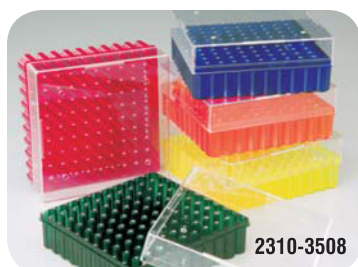
2381-5800



2310-5848



9023-8181



2310-3508



2300-9602



TOUGH-SPOTS®

Totally Tubular® Racks

Modular system of 4 blocks and one tray holds microcentrifuge, culture, 15 ml, 50 ml, and other tubes. Polypropylene.

2344-1000, Mixed standard colors

2344-1040, Mixed neon colors (not shown)

BestRack® 96-Place Rack

Reversible racks with lids hold 1.5-2.0 ml or 0.5 ml tubes. Polypropylene. 8⁷/₁₆" x 4⁵/₈" x 2" H. 5/pack.

2396-5048, Mixed neon colors

2396-5000, Natural (not shown)

81-Place Polypropylene Freezer Boxes

Holds most 1.5/2 ml tubes and cryogenic vials. Alphanumeric indicators and low dividers. 5¹/₈" L x 5¹/₈" W x 1⁷/₈" H. 5/pack.

2381-5048, Mixed neon colors with natural lids

2381-5800, Natural color

100-Place Hinged Polypropylene Boxes

Durable rolling hinge withstands freezer storage; snap clasp keeps boxes closed. 100-place boxes are 5⁹/₁₆" x 6" x 2³/₁₆" H. 5/pack.

2310-5848, Mixed neon colors

2310-5800, Natural color (not shown)

Premium Cardboard Freezer Boxes

Moisture resistant coating. Deep lids (1³/₈" H) hold 70 mm H tubes. 5.25" x 5.25" x 2" H fully closed.

9023-8181, 81-place box, deep lid, one each

9023-8149, 49-place box, deep lid, one each (not shown)

Polycarbonate Cryo Storage Boxes

Easy to open, even when frozen! High contrast alphanumerics, clear lids, and vents. Store from -196° to +120°C. Mixed colors, 5/pack.

2310-3508, 100-place, 5.2" x 5.2" x 2.1" H

2381-3508, 81-place, 5.2" x 5.2" x 2.1" H (not shown)

PCR Racks

Polypropylene racks include lids with rims. Compact rack holds 96 tubes. Stackable rack holds PCR tubes and skirted or non-skirted plates. 5/pack.

2300-9602, Compact PCR rack, mixed neon colors

2300-9708, Stackable PCR rack, mixed colors (not shown)

Tough-Spots®

For temperatures from -196°C to +80°C. Vinyl; 1000/roll.

9185-0500, 1/2" (1.5-2.0 ml tube), white

9185-05XX*, 1/2" (1.5-2.0 ml tube), colors

9185-0000, 3/8" (0.5 ml tube), white

9185-00XX*, 3/8" (0.5 ml tube), colors

*To order a color replace XX with 01=blue, 02=green, 03=orange, 04=red, 05=violet, 06=yellow, 07=pink, 14=maroon, 16=gold, 17=coffee, or 18=silver.

Seal-Rite® Strong, Dependable, Multi-Tasking Tubes

Seal-Rite® tubes protect your samples with a precision sealing system that prevents evaporation, leakage, and accidental opening. Rated for centrifugation up to 25,000 x g and packed in tamper evident, zip top bags for safe storage. Certified free of detectable RNase, DNase, DNA, and pyrogens. Autoclaving is not necessary for most molecular biology applications.

Seal-Rite tubes are pure virgin polypropylene and are manufactured with fully automated, state-of-the-art production equipment housed in a positive pressure, HEPA filtered environment. No processing additives such as slip agents, biocides, or antistatic agents are used during production. Your samples remain protected from potential bioactive contaminants.

- ✓ Tested for centrifugation up to 25,000 x g
- ✓ Zip top tamper evident bags reseal for safer storage

Seal-Rite 1.5 ml Tubes

1615-5500, Natural, 500/bag
1615-5510, Natural, sterilized*, 5 bags of 100 (500)
1615-5599, Assorted colors, 5 bags of 100 (500)
1615-5507, Amber, 500/bag

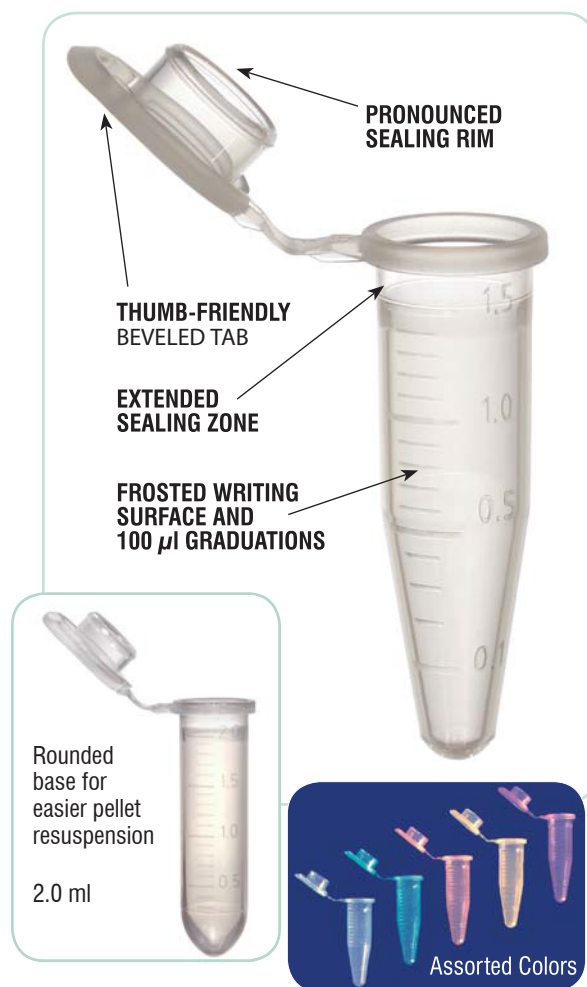
Seal-Rite 2.0 ml Tubes

Rounded base creates a more visible pellet that is easier to resuspend. Ideal for bacteria and other cells.
1620-2700, Natural, 500/bag
1620-2799, Assorted colors, 5 bags of 100 (500)
1620-2707, Amber, 500/bag

Seal-Rite 0.5 ml Tubes

1605-0000, Natural, 5 bags of 200 (1000)
1605-0099, Assorted colors, 5 bags of 200 (1000)
1605-0007, Amber, 1000/bag

*Sterile tubes have a limit of 20,000 x g.



Can your tube pass all of these tests? Seal-Rite® can.

Centrifugation at 25,000 x g for extended periods	✓ Pass
No clarifiers to affect results	✓ Pass
Maintains a seal while boiling	✓ Pass

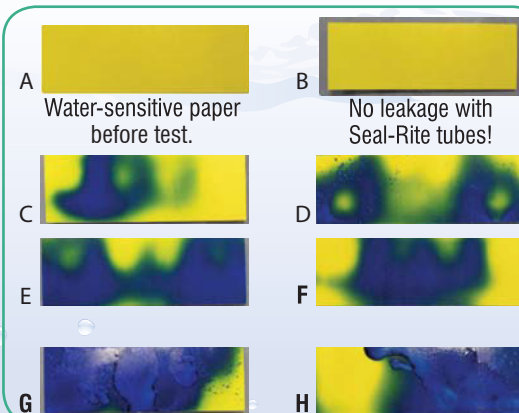
Microcentrifuge tubes can be specialized for specific tasks or designed for general purpose use. While other brands may pass one or two tests, many will not pass all three. Why not stock your lab with a multi-tasking tube designed for all of your experiments?

Microcentrifuge Tube Leak Test

Does your tube maintain a seal while heating? Although a tube may remain closed, evaporation can occur when a seal is incomplete. Seal-Rite passes the test with no leaks!

Water-sensitive paper has a specially coated yellow surface that turns blue when exposed to moisture. This indicating paper (A) was placed across the top of Seal-Rite (B) and other (C-H) 1.5 ml tubes containing 1 ml of 50% ethanol and incubated at 95°C for 15 minutes in a dry bath with a tightly closed lid. Tube brands C-H show varying levels of failure.

Not sure about your tubes? Try Seal-Rite for worry-free incubations or storage. Contact us for free samples.



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18-19	Racks, boxes, labels, and tubes



See page 7 for new filter tip refills!

CRYO-BABIES®



CRYOTAGS®



Cryo-Babies® and Tough-Spots® Laser Printable Laboratory Labels

Solvent resistant labels on 8½" x 11" sheets. For -196°C to +150°C. Color packs include blue, green, orange, red, and yellow. See page 18 for Tough-Spots on rolls.

Laser Cryo-Babies® and Cryo-Tags®

9187-1700, 1.28" x 0.5", for 1.5-2.0 ml tubes, white, 1700/pack
 9187-1708, 1.28" x 0.5", for 1.5-2.0 ml tubes, colors, 1700/pack
 9187-2380, 0.94" x 0.5", for 0.5 ml tubes, white, 2380/pack
 9187-1100, 1.69" x 0.75", for cryo tubes, white, 1040/pack
 9187-1200, 1.5" x 0.75", for larger tubes, white, 1200/pack
 9187-1208, 1.5" x 0.75", for larger tubes, colors, 1200/pack
 9187-1258, 2.625" x 1", for racks and boxes, white, 600/pack

Laser Tough-Spots®

9185-2000, 1/2" diameter, for 1.5-2.0 ml tubes, white, 3840/pack
 9185-2008, 1/2" diameter, for 1.5-2.0 ml tubes, colors, 3840/pack
 9185-1000, 3/8" diameter, for 0.5 ml tubes, white, 3840/pack
 9185-1008, 3/8" diameter, for 0.5 ml tubes, colors, 3840/pack

TOUGH-SPOTS®

