



BIO PLAS, INC.

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PRODUCT CATALOG

Premium Laboratory Consumables

All Products Made In The USA!

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**4380 Redwood Hwy, Suite C-16
San Rafael, CA 94903**



Bio Plas, Inc.

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Products

- Uni-Flex™ Safety Caps
- Hexa-Flex™ Safety Caps
- Screw Cap Microcentrifuge Tubes
- Sterile Cryogenic Tubes
- G-Tube™ Flat Top Microcentrifuge Tubes
- Sterile G-Tube™ Flat Top Microcentrifuge Tubes
- Siliconized G-Tube™ Flat Top Microcentrifuge Tubes
- Snap Cap Microcentrifuge Tubes
- 5mL Flat Top Microcentrifuge Tubes NEW
- 15mL & 50mL Centrifuge Tubes NEW
- Pestles (In Tubes)
- Micro Tube Tool
- 64 & 96 Well Micro Tube Racks
- 80 Well Micro Tube Racks
- Polyester Foam Test Tube & Microcentrifuge Tube Racks
- Consumables For Thermal Cycling (PCR Tubes)
- BioFlex™ Flat Top PCR Tubes NEW
- BioFlex™ PermaFrame Rigid PCR Plates
- Bio Plas Universal PCR Plates
- Astral™ Inoculation System
- Bacti Cell Spreaders
- Histo Plas Capsettes™ & Uni-Capsettes™
- Histo Plas Tissue Processing
- Pipette Tips

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UNI-FLEX™ SAFETY CAPS

The Original Cap For Disposable Glass Culture And Blood Collection Tubes

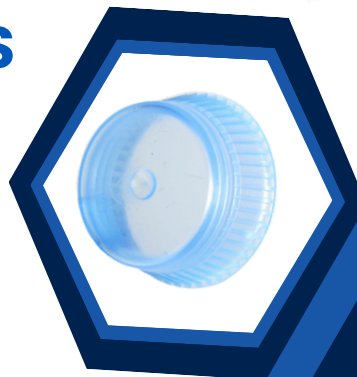
A safe, economical way to cap and recap blood collection tubes and disposable glass culture tubes regardless of manufacturer.

Uni-Flex™ Safety Caps are available for a wide range of biomedical and industrial applications.

Uni-Flex™ Safety Caps come in a variety of colors for coding samples.

The Uni-Flex™ liquid-tight seal ensures sample integrity and prevents spillage of serum samples.

Uni-Flex™ Safety Caps protect your laboratory staff from the aerosols of highly-infectious organisms such as TB and the HTLV-III virus.



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UNI-FLEX™ SAFETY CAPS

Features:

- 10, 12, 13 and 16mm sizes fit all varieties of blood collecting and disposable culture tubes.
- Will not aerosol when opened.
- Liquid-tight seal prevents sample evaporation. The Uni-Flex™ Safety Cap is designed to hold under centrifugation, agitation, refrigeration and freezing.
- Easy identification of samples. Uni-Flex™ Safety Caps are available in seven colors that conveniently correspond to blood collection cap colors.
- Lock securely onto the tube lip to prevent evaporation.
- Easy, one-hand removal and application. To close, press down firmly with thumb to lock in place. To open, simply pry cap up.
- Clear, natural colored caps are trace-metal free.



Easy identification of samples:
Uni-Flex® Safety Caps are available in seven colors that conveniently correspond to blood collection cap colors

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Uni-Flex™ Safety Cap Ordering Information

Catalog #	Description	Color	Pkg. Qty.	Pkgs./ Case
6500	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	White	1,000	10
6505	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Red	1,000	10
6510	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Lavender	1,000	10
6515	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Green	1,000	10
6520	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Blue	1,000	10
6525	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Grey	1,000	10
6530	Uni-Flex®Safety Caps for 10mm Blood Collecting & Culture Tubes	Yellow	1,000	10
6550	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	White	1,000	10
6555	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Red	1,000	10
6560	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Lavender	1,000	10
6565	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Green	1,000	10
6570	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Blue	1,000	10
6575	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Grey	1,000	10
6580	Uni-Flex®Safety Caps for 12mm Culture Tubes & 13mm Blood Collecting Tubes	Yellow	1,000	10
6600	Uni-Flex®Safety Caps for 13mm Culture Tubes	White	1,000	10
6605	Uni-Flex®Safety Caps for 13mm Culture Tubes	Red	1,000	10
6610	Uni-Flex®Safety Caps for 13mm Culture Tubes	Lavender	1,000	10
6615	Uni-Flex®Safety Caps for 13mm Culture Tubes	Green	1,000	10
6620	Uni-Flex®Safety Caps for 13mm Culture Tubes	Blue	1,000	10
6625	Uni-Flex®Safety Caps for 13mm Culture Tubes	Grey	1,000	10
6630	Uni-Flex®Safety Caps for 13mm Culture Tubes	Yellow	1,000	10
6700	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	White	1,000	10
6705	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Red	1,000	10
6710	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Lavender	1,000	10
6715	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Green	1,000	10
6720	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Blue	1,000	10
6725	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Grey	1,000	10
6730	Uni-Flex®Safety Caps for 16mm Blood Collecting & Culture Tubes	Yellow	1,000	10

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HEXA-FLEX™ SAFETY CAPS

The Premium Multiple-Fit Tube Cap

A safe, economical way to cap and recap blood collection tubes and disposable glass culture tubes regardless of manufacturer.

Hexa-Flex™ Safety Caps are available for a wide range of biomedical and industrial applications and fit six different sized tubes.

Hexa-Flex™ Safety Caps come in a variety of colors for coding samples.

The Hexa-Flex™ liquid-tight seal ensures sample integrity and prevents spillage of serum samples.

Hexa-Flex™ Safety Caps protect your laboratory staff from the aerosols of highly-infectious organisms such as TB and the HTLV-III virus.



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HEXA-FLEX™ SAFETY CAPS

Features:

- Fit a variety of tubes, including 10,12, 13, 16 and 18mm sizes of blood collecting and disposable culture tubes.
- Liquid-tight seal prevents sample evaporation. The Hexa-Flex™ Safety Cap is designed to hold under centrifugation, agitation, refrigeration and freezing.
- Easy identification of samples. Hexa-Flex™ Safety Caps are available in seven colors that conveniently correspond to blood collection cap colors.
- Lock securely onto, or into, the tube lip to prevent evaporation.
- Easy, one-hand removal and application. To close, press down firmly with thumb to lock in place. To open, simply pry cap up.
- Clear, natural colored caps are trace-metal free.

Hexa-Flex™ Safety Cap Ordering Information

Cat #	Description	Pkg. Qty	Pkgs./ Case
8350	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Natural	500	10
8355	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Red	500	10
8360	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Lavender	500	10
8365	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Green	500	10
8370	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Blue	500	10
8375	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Grey	500	10
8380	For 10mm, 12mm, 13mm, and 16mm and 18mm Blood Collection and Culture Tubes, Yellow	500	10



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Screw Cap Microcentrifuge Tubes

Bio Plas Screw-Cap Microcentrifuge Tubes are ideal for any sample-processing or storage application and for working with valuable or hazardous cells and materials.

The strength, safety, and reliability, of the Bio Plas Screw-Cap Microcentrifuge Tubes let you perform procedures that simply can't be done with many other tubes. Spin them, store them, transport them (even by air). Boil, irradiate them. They'll stand up to the test!

Inside the Screw Cap the O-Ring forms a secure and leak-proof seal. The Bio Plas Screw-Cap Microcentrifuge Tube's square threads won't strip and they are on the outside of the tube, so you minimize the risk of contaminating your sample or letting it contaminate the Lab Tech.

Screw Cap Microcentrifuge Tube Features:

- **Sample Integrity:** EPDM O-Rings create a positive seal to prevent leaking during processing, storage, or transport.
- Tubes made of inert virgin, high-clarity, ultra-pure, polypropylene to minimize risk of altering samples.
- Will withstand maximum G-forces up to 20000 x g.
- **Sturdy and Reusable:** Ideal for freezer storage, boiling, autoclaving and irradiation.
- Will withstand temperature ranges of -196°C to $+121^{\circ}\text{C}$.
- Free of detectable DNase, RNase, DNA, PCR inhibitors, and endotoxins.
- **Note:** not suitable for immersion in liquid nitrogen.
- Ideal for boiling applications.



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Screw Cap Microcentrifuge Tubes



Screw Cap Tube Ordering Information

Cat #	Description	Color	Pack Qty	Packs Per Case
4200	0.5mL Screw Cap Tube, Skirted Base, Ribbed	Clear	500	10
4201	0.5mL Screw Cap Tube, Skirted Base, Ribbed	Amber	500	10
4202	1.5mL Screw Cap Tube, Conical Base, Ribbed	Clear	500	10
4202A	1.5mL Screw Tube, Skirted Base, Ribbed	Amber	500	10
4202G	1.5mL Screw Cap Tube, Conical Base, Graduated, Writing Area	Clear	500	10
4203	2.0mL Screw Cap Tube, Conical Base, Ribbed	Clear	500	10
4204	2.0mL Screw Cap Tube, Skirted Base, Ribbed	Clear	500	10
4204A	2.0mL Screw Cap Tube, Skirted Base, Ribbed	Amber	500	10
4204G	2.0mL Screw Cap Tube, Skirted base, Graduated, Writing Area	Clear	500	10

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Screw Cap Microcentrifuge Tubes

Screw Cap Ordering Information

Cat #	Description	Color	Pack Qty	Packs/Case
4215R	Screw-Caps for with EPDM O-Ring, Polypropylene	Clear	500	10
4216R	Screw-Caps for with EPDM O-Ring, Polypropylene	Blue	500	10
4217R	Screw-Caps for with EPDM O-Ring, Polypropylene	Yellow	500	10
4218R	Screw-Caps for with EPDM O-Ring, Polypropylene	Red	500	10
4220R	Screw-Caps for with EPDM O-Ring, Polypropylene	Green	500	10
4221R	Screw-Caps for with EPDM O-Ring, Polypropylene	Orange	500	10
4222R	Screw-Caps for with EPDM O-Ring, Polypropylene	Black	500	10
4223R	Screw-Caps for with EPDM O-Ring, Polypropylene	Violet	500	10
4224R	Screw-Caps for with EPDM O-Ring, Polypropylene	Amber	500	10
4214	40 Place Keyed Rack, Anodized Aluminum	Aluminum	1	1

Bio Plas Screw Caps Are Only Guranteed To Fit Bio Plas Screw Cap Microcentrifuge Tubes



Clear Cap With O-Ring



Available Screw Cap Colors



Cat# 4214 Aluminum Rack

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Sterile Cryogenic Tubes

Bio Plas Sterile Cryogenic Tubes have an O-Ring Screw Cap for a positive, leak-proof seal. They're designed for safe storage of cells or biological fluids.

The Sterile Cryogenic Tubes are ideal for sperm, serum, or blood specimens, microbiological cultures, cell cultures, and hazardous or valuable samples.

The rugged, polypropylene copolymer, and uniform wall construction, will stand up to any current microcentrifuge. Plus, our tubes' external threads prevent leaking even under the pressure changes of air transport. No tube offers more security to your sample!



Sterile Cryogenic Tube features:

- **Sample Integrity:** Sterile. Free of detectable DNase, RNase, DNA, PCR inhibitors, and endotoxins.
- **Screw cap with internal O-ring** forms a leak-proof seal during processing and storage.
- **Safe and Efficient:** External thread eliminates material hang-up and minimizes chance of contaminating you or your sample.
- **Convenient:** Conical design lets you retrieve your entire sample. Upright models stand without a rack.
- **Sturdy:** Virtually unbreakable. Will withstand spin speeds of up to 20,000 x G.



Cryo Tube Ordering Information

Catalog #	Description	Color	Pack Qty	Packs/Case
4200S	0.5mL Assembled Screw Cap Tube, Skirted Base, Ribbed, Sterile	Clear	250	2
4201S	0.5mL Assembled Screw Cap Tube, Skirted Base, Ribbed, Sterile	Amber	250	2
4202S	1.5mL Assembled Screw Cap Tube, Conical Base, Graduated, Writing Area, Sterile	Clear	250	2
4203S	2.0mL Assembled Screw Cap Tube, Conical Base, Graduated, Writing Area, Sterile	Clear	250	2
4204S	2.0mL Assembled Screw Cap Tube, Skirted Base, Ribbed, Sterile	Clear	250	2
4204AS	2.0mL Assembled Screw Cap Tubes, Skirted Base, Ribbed, Sterile	Amber	250	2

Free of detectable DNase, RNase, DNA, PCR inhibitors, and endotoxins

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Bio Plas G-Tube™

Premium Flat Top Microcentrifuge Tubes

The G-Tube™ Flat Top Microcentrifuge Tube is made of inert, tough, clear, proprietary formulated polypropylene. The G-Tube™ is virtually transparent to give a better view.

The flat top cap is easy to open and still provides a maximum secure seal. When the G-Tube™ cap is closed there will be an audible "snap" that indicates a secure closure has been formed.

The G-Tube™ is built for high impact. Thicker walls make this the tube of choice for extreme stress, high spinning speeds, autoclaving, boiling, chemical resistance and freezing.



G-Tube™ Features:

- Made from high quality medical grade resins.
- RNase and DNase free. Human DNA free. Non-Pyrogenic.
- Ultra low retention.
- Lid Closure: The flat top lid forms an extra-tight seal that will not come open during processing.
- Bio Plas G-Tubes™ have a textured writing surface on top of the caps.
- 1.5ml and 2.0 mL tubes have an additional textured writing surface on the side of the tubes.
- Graduation: 1.5ml tubes and 2.0ml tubes are graduated every 0.5ml.
- Boilproof.
- Will withstand speeds up to 30000 X G.
- Easy needle access through a piercing port in the center of the cap.
- Autoclavable at 250°F at 15 psi for 15 minutes.
- Withstand temperature ranges from -80°C to 121°C

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Bio Plas G-Tube™

Premium Flat Top Microcentrifuge Tubes



G-Tube™ Ordering Information

0.6 mL Catalog #	1.5 mL Catalog#	2.0 mL Catalog #	Description	Pk. Qty	Pks./Case
4040	4030	4050	G-Tube® FlatTop Microcentrifuge Tube, Natural	500	20
4041	4031	4051	G-Tube® FlatTop Microcentrifuge Tube, Red	500	20
4042	4032	4052	G-Tube® FlatTop Microcentrifuge Tube, Yellow	500	20
4043	4033	4053	G-Tube® FlatTop Microcentrifuge Tube, Blue	500	20
4044	4034	4054	G-Tube® FlatTop Microcentrifuge Tube, Green	500	20
4046	4036	4056	G-Tube® FlatTop Microcentrifuge Tube, Orange	500	20
4047	4037	4057	G-Tube® FlatTop Microcentrifuge Tube, Lavender	500	20
4048	4038	4058	G-Tube® FlatTop Microcentrifuge Tube, Amber	500	20
4039	4049	4059	G-Tube® FlatTop Microcentrifuge Tube, Rainbow	500	20

Available In 8 Colors

Try our handy Micro Tube Tool Catalog #4000 !

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Bio Plas Sterile G-Tubes™

Premium Flat Top Microcentrifuge Tubes



**Same Features As Our Regular
G-Tubes™ But In Sterile Format!**



Sterile G-Tube™ Ordering Information

0.6 mL Cat#	1.5 mL Cat#	2.0 mL Cat#	Description	Pk. Qty	Pks./Case
4040S	4030S	4050S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Natural	500	20
4041S	4031S	4051S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Red	500	20
4042S	4032S	4052S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Yellow	500	20
4043S	4033S	4053S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Blue	500	20
4044S	4034S	4054S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Green	500	20
4046S	4036S	4056S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Orange	500	20
4047S	4037S	4057S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Lavender	500	20
4048	4038S	4058S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Amber	500	20
4049	4039S	4059S	G-Tube® Sterile FlatTop Microcentrifuge Tube, Rainbow	500	20

Sterile Products May Require Longer Lead Times

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Bio Plas Siliconized G-Tubes™

Premium Flat Top Microcentrifuge Tubes

Designed for use in biotechnology laboratories such as preparing samples for thermal cycling or whenever complete sample recovery is important.

The Siliconized G-Tube™ is molded from a siliconized virgin polypropylene that exhibits extremely low surface adhesion providing maximum sample recovery.



Siliconized G-Tube™ Features:

- No special cap locking devices needed
- Safe sample deposit
- Highest impact tube strength with the smoothest interior surface
- Lid Closure: The flat top lid forms an extra-tight seal that will not come open during processing.
- Inscribing Patches: All flat top tubes have a textured writing surface on top of the caps. The 1.5ml and 2.0 mL tubes have an additional textured writing surface on the side of the tubes.
- Graduation: The 1.5ml tube is graduated from 0.1 to 1.5ml. The 2.0ml tube is graduated from 0.1 to 2.0ml.
- Finish: The interior has the smoothest, most highly polished surface of any tube on the market.
- The walls are non-wettable, preventing liquids from adhering to the sides.
- Needle Access: You can easily insert a needle through the target in the exact center of the lid
- Will withstand over 30000 X g when spun. Will withstand temperature ranges of -80°C to 121°C .



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Bio Plas Siliconized G-Tubes™

Premium Flat Top Microcentrifuge Tubes



Siliconized G-Tube™ Ordering Information

Cat#	Description	Pk. Qty	Pks./ Case
4160SL	0.6ml G-Tube Flat Top Microcentrifuge Tube, Natural	500	20
4162SLS	0.6ml G-Tube, Natural, Individually Wrapped, Sterile	250	20
4165SL	1.5ml G-Tube Flat Top Microcentrifuge Tube, Natural	500	20
4167SLS	1.5ml G-Tube, Natural, Individually Wrapped, Sterile	250	20
4168SL	2.0ml G-Tube Flat Top Microcentrifuge Tube, Natural	500	20
4169SLS	2.0ml G-Tube, Natural, Individually Wrapped, Sterile	250	20

Siliconized Products Are Not Recommended For Autoclaving. Minimum Order Is One case

Try our handy Micro Tube Tool Catalog #4000 !



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Bio Plas Snap Cap Microcentrifuge Tubes

Bio Plas Snap-Cap Microcentrifuge Tubes give a firm, dependable, seal. Their tough virgin-polypropylene, or polyethylene, construction withstand the rugged G-forces of high-speed centrifugation.

Snap-Cap Microcentrifuge Tubes are available in five sizes, 250µl, 400µl, 500µl, 1.5ml and 1.8ml.

Snap-Cap Microcentrifuge Tubes are autoclavable at 250°F at 15 psi for 15 minutes.

Snap Cap Micro Tube Ordering Information

Cat#	Description	Color	Pack Qty	Packs Per Case
4003	Micro-Centrifuge Tube 400µl, Polypropylene	White	1000	10
4004	Micro-Centrifuge Tube 400µl, Polyethylene	White	1000	10
4005	Micro-Centrifuge Tube 500µl, Polypropylene	White	1000	10
4025	Micro-Centrifuge Tube 250µl, Polyethylene	White	1000	10
4150	Micro-Centrifuge Tube 1.5ml, Polypropylene	White	1000	10
4151	Micro-Centrifuge Tube 1.5ml, Polypropylene	Red	1000	10
4152	Micro-Centrifuge Tube 1.5ml, Polypropylene	Yellow	1000	10
4153	Micro-Centrifuge Tube 1.5ml, Polypropylene	Blue	1000	10
4154	Micro-Centrifuge Tube 1.5ml, Polypropylene	Green	1000	10
4155	Micro-Centrifuge Tube 1.8ml, Polypropylene	White	1000	10
4156	Micro-Centrifuge Tube 1.8ml, Polypropylene	Red	1000	10
4157	Micro-Centrifuge Tube 1.8ml, Polypropylene	Yellow	1000	10
4158	Micro-Centrifuge Tube 1.8ml, Polypropylene	Blue	1000	10
4159	Micro-Centrifuge Tube 1.8ml, Polypropylene	Green	1000	10
4000	Micro Tube Tool	Blue	4	25



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Bio Plas 5ml Flat Top Tubes

The perfect intermediate volume option between traditional microcentrifuge tubes and 15 mL conical tubes.

Bio Plas 5ml Flat Top Tube Features:

- Suitable for all rotors and racks that hold 15 mL conical tubes. No adapters needed.
- Graduated every 250 μ L for easy volume estimation.
- Rated to 25,000 x G for high-speed centrifugation.
- Flat, frosted, cap and a writing surface on the side of the tube.
- Temperature range: -80°C to 100°C.
- For use in pharmaceutical industry, food industry, and molecular biology.
- Manufactured from high-quality, virgin polypropylene to ensure purity and provide excellent optical clarity.
- Free of detectable RNase, DNase, DNA, PCR Inhibitors. Pyrogen-Free.
- Sterile tubes are certified endotoxin-free.



5ml Flat Top Tube Ordering Information

Cat #	Description	Color	Pack Qty	Packs/Case
4400	5ml Flat Top Microcentrifuge Tube	Clear	200	5
4401	5ml Flat Top Microcentrifuge Tube	Assorted	200	5
4400S	5ml Flat Top Microcentrifuge Tube, Sterile, 4 Bags of 50 Per pack	Clear	200	5
4400AS	5ml Flat Top Microcentrifuge Tube, Sterile, 4 Bags of 50 Per pack	Amber	200	5

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Bio Plas 15ml & 50ml Centrifuge Tubes

Bio Plas 15ml & 50ml Centrifuge Tube Features:

- High-clarity, medical-grade polymer.
- 15ml tubes graduated in 1 mL increments. 50ml tubes graduated in 5ml increments.
- Will withstand up to 17,000 × G.
- Temperature range: -80° to 40°C.
- Sterile and certified free of detectable DNase, RNase, DNA, PCR inhibitors, and endotoxins.



Centrifuge Tube Ordering Information

Cat #	Description	Color	Pack Qty	PacksPer Case
4500S	15mL Conical Tube, Bulk, Sterile	Clear	50	10
4500SR	15mL Conical Tube, Racked, Sterile (2 Racks Of 25 Tubes Per Pack)	Clear	50	10
4600S	50mL Conical Tube, Bulk, Sterile	Clear	50	10
4600SR	50mL Conical Tube, Racked, Sterile (1 Racks Of 25 Tubes Per Pack)	Clear	25	20
4601	50mL Self-Standing Conical Tube, Sterile	Clear	50	10

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Bio Plas Pestles

Bio Plas Pestle Features:

- Bio Plas disposable polypropylene Pestles may be used to homogenize cells or re-suspend precipitates such as protein or DNA pellets in buffer solutions.
- All the packaging options contain products free of detectable RNase, DNase, DNA and Pyrogens.
- These pestles and tubes are precision manufactured and quality controlled to firmly match together for maximum performance efficiency.
- Pestles are conveniently packaged into the appropriate size tubes, ready for use and are sterilized.



Bio Plas Pestles Ordering Information

Catalog #	Description	Color	Pack Qty	Packs Per Case
4030-PB	1.5 mL Tube With Pestle	Blue	10 per Bag	25 Bags
4040-PB	0.6 mL Tube With Pestle	Blue	10 per Bag	25 Bags

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Bio Plas Micro Tube Tool

This handy polypropylene Micro Tube Tool opens Snap-Cap and Screw Cap Microcentrifuge Tubes easily, prevents fatigue and saves wear on your fingers and thumbs!

The innovative Micro Tube Tool makes it a breeze to open tight-fitting Snap Caps and it lets you remove Screw Caps while tubes are still in the rack.

Convenient and inexpensive, the Micro Tube Tool puts an end to difficult maneuvering and straining to open Screw-Cap Tubes and any size Snap Cap Tubes.



The Micro Tube Tool's larger end is a socket wrench for Screw-Cap Micro Tubes.



The Micro Tube Tool's smaller end is used to open a Snap Cap Micro Tubes.

Micro Tube Tool Ordering Information

Cat #	Description	Pack Qty	Packs Per Case
4000	Micro Tube Tool	4	25

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96 & 64 Well “Reversible” Micro Tube Racks

Both the 96 and 64 Well “Reversible” Micro Tube Racks are designed so that one side of the rack accommodates 0.5ml microcentrifuge tubes. The reverse side holds 1.5ml to 2.0ml Flat Top Microcentrifuge Tubes and Screw Cap Microcentrifuge Tubes.

The available clear polypropylene cover for the 96 Well “Reversible” Micro Tube Rack provides a snug fit and is tall enough to store most screw cap microcentrifuge tubes. The Rack cover is made of durable polypropylene and can withstand temperatures from -90°C to $+121^{\circ}\text{C}$.

Alpha-numeric markings, “A” thru “H” vertically, 1 thru 8 horizontally.



64 & 96 well Rack Ordering Information

64 Well Cat #	96 Well Cat #	Description	Color	Pack Qty	Packs Per Case
0080	0090	Micro Tube Rack	Natural	5	4
0081	0091	Micro Tube Rack	Assorted	5	4
0082	0092	Micro Tube Rack	Blue	5	4
0083	0093	Micro Tube Rack	Green	5	4
0084	0094	Micro Tube Rack	Orange	5	4
0085	0095	Micro Tube Rack	Pink	5	4
0086	0096	Micro Tube Rack	Yellow	5	4
0087	0097	Micro Tube Rack	Lavender	5	4
0089	0099	Micro Tube Rack	Black	5	4
N/A	0052	Tube Rack Cover	Natural	5	4

Racks are autoclavable: 15 minutes, 15psi @ 120°C and will withstand freezer storage to -90°C .

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Bio Plas 80 Well Micro Tube Racks

The 80 Well Micro Tube Racks are designed with 80 wells in a 16 x 5 configuration with each well numbered for convenient sample identification.

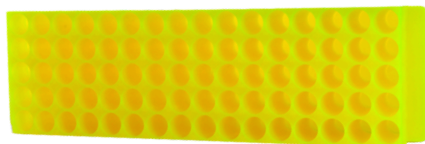
Rack dimensions are 9"L x 2 1/16"D with a well diameter of 10.5mm.

Available in 9 colors. This assortment of colors allows lab technologists to color code specific projects and allows for identification of hazardous experiments.

Racks are autoclavable: 15 minutes, 15psi @ 120°C and will withstand freezer storage to -90°C.

80 Well Rack Ordering Information

Cat #	Description	Color	Pack Qty	Packs Per Case
0060	80 Well Micro Tube Rack	Natural	5	4
0061	80 Well Micro Tube Rack,	Assorted	5	4
0062	80 Well Micro Tube Rack	Blue	5	4
0063	80 Well Micro Tube Rack	Green	5	4
0064	80 Well Micro Tube Rack,	Orange	5	4
0065	80 Well Micro Tube Rack	Pink	5	4
0066	80 Well Micro Tube Rack	Yellow	5	4
0067	80 Well Micro Tube Rack	Lavender	5	4
0068	80 Well Micro Tube Rack	Red	5	4
0069	80 Well Micro Tube Rack	Black	5	4



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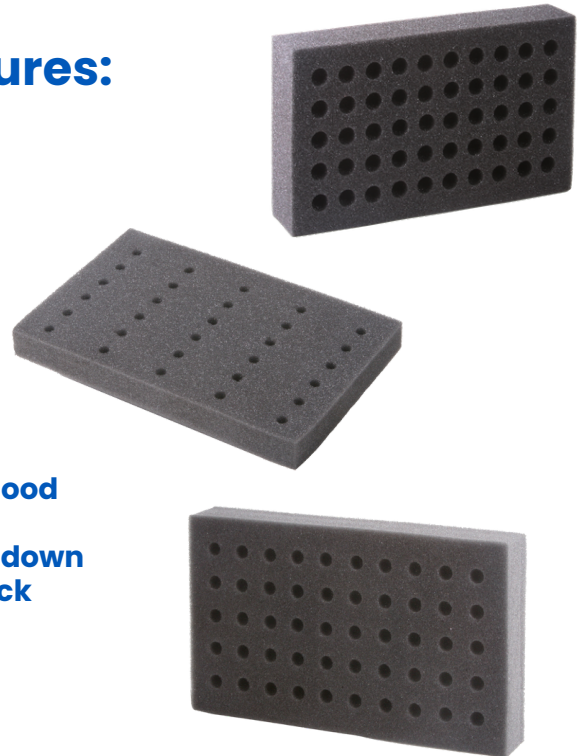
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Polyester Foam Test Tube & Micro Tube Racks

Polyester Foam Tube Rack Features:

- Flame Retardant
- Color: Charcoal
- Long wearing
- Chemical and solvent resistant
- Float on H₂O bath with full tube and sample
- Ideal for refrigerated or frozen storage samples
- All tubes can be decanted simultaneously
- Low profile: Will not tip over easily
- Lightweight: Weighs less than two ounces
- Holds and locks 50 culture tubes securely
- Holds and locks 30 microcentrifuge and micro blood collecting tubes securely in racks
- More uniform incubation: Tubes may be pushed down into H₂O bath while still being held securely in rack
- May be used in blood drawing trays-holds blood drawing tubes securely



Foam Rack Ordering Information

Cat #	Description	Pack Qty	Packs /Case
0010	Fits 50 Tubes, sizes: 10 x 75mm, 12 x 75mm, 13 x 100mm	6 Racks	5
0011	Fits 50 Tubes, sizes: 15 x 85mm, 16 x 100mm, 16 x 125mm, 16 x 150mm	6 Racks	5
0020	Fits 50 Tubes, sizes: 250µl , 400µl	6 Racks	5
0021	Fits 50 Tubes, sizes: 500µl , 1.5mL, 1.8mL	6 Racks	5

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Consumables For Thermal Cycling Procedures

0.2mL Thin-Wall Micro Reaction Tubes & Strip Caps

Designed for use with 96 Well Thermal Cyclers

0.2mL Thin-Wall Micro Reaction Tubes Ordering Information

Cat #	Description	Color	Pkg. Qty	Pkgs./Case
5000-1	0.2mL Micro Tubes for Thermal Cycling, Bulk	Natural	1000	12
5000-2	0.2mL Micro Tubes for Thermal Cycling, Bulk	Red	1000	12
5000-3	0.2mL Micro Tubes for Thermal Cycling, Bulk	Yellow	1000	12
5000-4	0.2mL Micro Tubes for Thermal Cycling, Bulk	Blue	1000	12
5000-5	0.2mL Micro Tubes for Thermal Cycling, Bulk	Green	1000	12
5010-1	8 Strip 0.2mL Micro Tubes for Thermal Cycling	Natural	125	12
5010-2	8 Strip 0.2mL Micro Tubes for Thermal Cycling	Red	125	12
5010-3	8 Strip 0.2mL Micro Tubes for Thermal Cycling	Yellow	125	12
5010-4	8 Strip 0.2mL Micro Tubes for Thermal Cycling	Blue	125	12
5010-5	8 Strip 0.2mL Micro Tubes for Thermal Cycling	Green	125	12
5020-1	12 Strip 0.2mL Micro Tubes for Thermal Cycling	Natural	100	12
5020-2	12 Strip 0.2mL Micro Tubes for Thermal Cycling	Red	100	12
5020-3	12 Strip 0.2mL Micro Tubes for Thermal Cycling	Yellow	100	12
5020-4	12 Strip 0.2mL Micro Tubes for Thermal Cycling	Blue	100	12
5020-5	12 Strip 0.2mL Micro Tubes for Thermal Cycling	Green	100	12
5030-1	8 Strip Caps 0.2mL Micro Tubes for Thermal Cycling	Natural	300	12
5035-1	8 Strip Caps 0.2mL Micro Tubes for Thermal Cycling	Natural	130	24
5040-1	12 Strip Caps 0.2mL Micro Tubes for Thermal Cycling	Natural	200	12



CAUTION: Tubes are not intended for storage or centrifugation of organic solvents; not intended for use with S 35 radio labelled compounds

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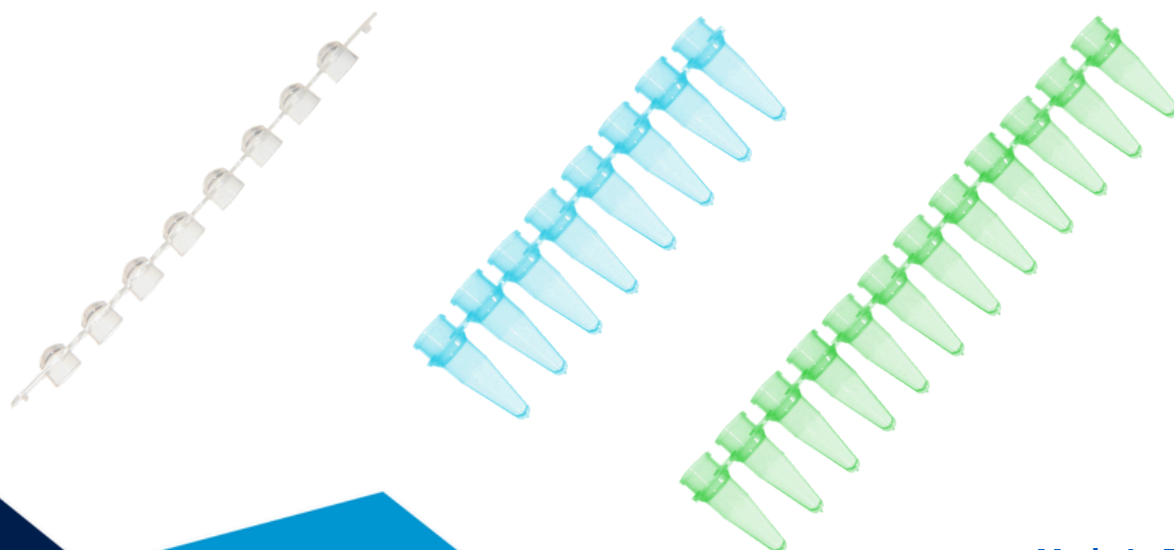
Consumables For Thermal Cycling Procedures

0.2mL Thin-Wall Micro Reaction Tubes & Strip Caps

Designed for use with 96 Well Thermal Cyclers

Thin Wall Micro Reaction Tubes Benefits:

- Tubes provide optimal contact with the sample block, thus ensuring optimal heat transfer
- Prevents cross-contamination
- Provides secure seal for oil-free thermal cycling
- Individual 0.2mL Thin Wall Tubes require an 8 or 12 Strip Cap to seal each Tube individually
- Fabricated from virgin polypropylene
- Highly polished inner surface allows for maximum sample recovery
- Capacity: Recommended maximum volume for Thermal Cycling amplifications is 100uL. Maximum fill volume for post - Thermal Cycling reagent additions to permit mixing is 200uL.
- Tubes and Strip Caps are packaged non-sterile and are autoclavable at 121 degrees C, 15 PSI for 15 minutes. Remove from autoclave immediately
- Strip Tubes and Strip Caps may be easily cut



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Consumables For Thermal Cycling Procedures

96 Well Preparation Racks & 0.2mL & 0.5mL Conical Thin-Wall Micro Reaction Tubes with Attached Caps.

96 Well Preparation Rack Features:

- Designed as preparation and storage racks for any variety of 0.2mL Tubes and Strip Caps before and after sample processing application
- Formatted in the standard 8 x 12 microtiter format
- Identified "A" through "H" vertically, and 1 through 12 horizontally, providing convenient and error free Tube identification
- Transparent plastic cover with new "slip edge" allowing safe storage of multi racks which can maximize bench top space



Conical Thin Wall Micro Reaction Tubes With Attached Caps Features:

- 0.5 mL Frosted Flat Cap surface for sample inscription
- Tubes fabricated from virgin polypropylene
- Highly polished inner surface allows for maximum sample recovery
- Tubes are autoclavable at 121°C for 15 minutes at 15psi and will withstand freezer storage to -90°C. *Remove Tubes from autoclave immediately*



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Consumables For Thermal Cycling Procedures

**96 Well Preparation Racks & 0.2mL & 0.5mL Conical Thin-Wall
Micro Reaction Tubes with Attached Caps.**

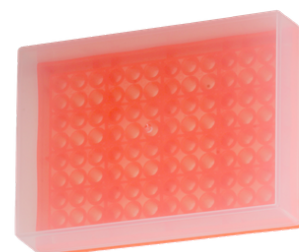
Ordering Information

Cat #	Description	Color	Pack Qty	Packs/Case
0030F	96 Well Preparation Rack, with Cover	Fluorescent Blue	5	4
0031F	96 Well Preparation Rack, with Cover	Fluorescent Green	5	4
0032F	96 Well Preparation Rack, with Cover	Fluorescent Orange	5	4
0033F	96 Well Preparation Rack, with Cover	Fluorescent Pink	5	4
0034F	96 Well Preparation Rack, with Cover	Fluorescent Yellow	5	4
0035F	96 Well Preparation Rack, with Cover	Fluorescent Assorted	5	4
5045-1	0.2mL Conical Thin Wall Tube	Natural	1000	12
5045-2	0.2mL Conical Thin Wall Tube	Red	1000	12
5045-3	0.2mL Conical Thin Wall Tube	Yellow	1000	12
5045-4	0.2mL Conical Thin Wall Tube	Blue	1000	12
5045-5	0.2mL Conical Thin Wall Tube	Green	1000	12
5050-1	0.5mL Conical Thin Wall Tube	Natural	125	10
5050-2	0.5mL Conical Thin Wall Tube	Red	125	10
5050-3	0.5mL Conical Thin Wall Tube	Yellow	125	10
5050-4	0.5mL Conical Thin Wall Tube	Blue	125	10
5050-5	0.5mL Conical Thin Wall Tube	Green	125	10
5050-15	Bio Plas Multi-Cap Tool	Black	1	1

CAUTION: Tubes are not intended for storage or centrifugation of organic solvents; not intended for use with S 35 radio labelled compounds



Cat# 0031F



Cat# 0032F

**Secure lid closure with the Multi-Cap Tool!
Assists in the closing and opening of PCR Tubes .**



Cat# 5050-15

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BioFlex™ Flat Top PCR Tubes

Individual PCR Tubes

- PCR tubes feature evaporation-resistant, easy-to-open-and-close lids that prevent sample loss.
- Ultra-thin, uniform wells ensure optimal heat transfer and reaction efficiency.
- Conveniently packaged in reclosable bags to minimize risk of contamination.
- Available in ultra-clear and assorted.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.



PCR Strip Tubes And Strip Caps

- Robust linkages make the strips rigid and easy to handle, preventing spills.
- Angularly attached caps prevent lids and hinges from interfering with each other, allowing for easier operation in an SBS format rack.
- Unique two-material white tubes with optically-clear flat caps create the perfect environment for consistent, reliable qPCR performance. White wells offer enhanced fluorescence reflection and optically-clear caps ensure that the fluorescence signal is uninhibited.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.



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BioFlex™ Flat Top PCR Tubes

Flat Cap Hinged PCR Tubes & Caps

- Strips of hinged attached caps prevent accidents common with separate caps.
- Optically-clear, flat caps for qPCR.
- Uniform thin walls.
- For use in pharmaceutical industry, food industry, and molecular biology.
- Manufactured from high-quality, virgin polypropylene to ensure purity and provide excellent optical clarity.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.



Angularly attached caps on BioFlex 8-Strip and Snappable Tubes prevent cap lids and hinges from interfering with each other, allowing for easier operation in an SBS format rack.



Flat Cap PCR Tube Ordering Information

Cat#	Description	Color	Pkg. Qty	Pkgs./Case
5060-1	BioFlex Individual PCR Tube with Frosted Flat Cap, 0.2ml	Clear	1000	10
5060-2	BioFlex Individual PCR Tube with Frosted Flat Cap, 0.2ml	Asst	1000	10
5060-3	BioFlex 8-Strip Tubes with Individually-Attached, Angular, Flat Caps, 0.2ml	Clear	120	10
5060-4	BioFlex 8-Strip Tubes with Individually-Attached, Angular, Flat Caps, 0.2ml	Asst	120	10
5060-5	BioFlex 8-Strip Low-Profile* Tubes with Individually-Attached, Angular, Flat Caps, 0.1ml	Clear	120	10
5060-6	BioFlex 8-Strip Low-Profile* Tubes with Individually-Attached Flat, Angular, Caps, 0.1ml	White	120	10
5060-7	BioFlex 8-Strip PCR Tubes & 8-Strip Flat Caps, 0.2ml	Clear	125	10
5060-8	BioFlex 8-Strip Low-Profile PCR Tubes & 8-Strip Flat Caps, 0.1ml	Clear	125	10
5060-9	BioFlex Snappable 8-Strip Tubes with Individually-Attached Flat Caps, 0.2ml	Clear	120	10
5060-10	BioFlex 8-Strip Tubes with Hinged Attached Flat Caps, 0.2ml	Clear	125	10

* Fast* Cycler and Lightcycler® compatible.

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PermaFrame™ sets a new standard in performance and convenience.



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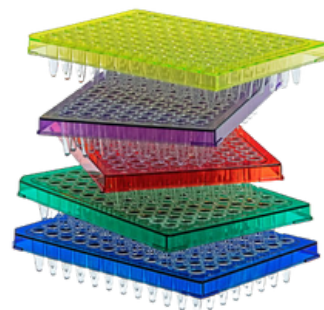
BioFlex PermaFrame™ PCR Plates

Rigid PCR Plates

Rugged Polycarbonate Frame + Polypropylene Wells

Engineered for unparalleled durability, BioFlex® PermaFrame™ PCR Plates are designed to accommodate all laboratory workflows and are ideal for use on automated liquid handling platforms.

- Polycarbonate frame is rigid and flat to facilitate a firm grip by robotic arms and ensure reliable placement.
- Polypropylene wells provide optimal thermal transfer and higher reaction efficiency.
- White well options enhance the fluorescence signal during qPCR.
- Wells are slightly raised to ensure evaporation-proof sealing with film, foil, or strip caps.
- ANSI/SBS footprint and well spacing.
- Vibrant colors offer a visual distinction between different samples or experiments.



BioFlex™ PermaFrame™		96 Well Full Skirt 0.1 ml	96 Well Semi Skirt 0.2 ml	384 Well Full Skirt A24 Notch	384 Well Full Skirt A24, P24 Notches
Frame Color	Well Color	Cat #	Cat #	Cat #	Cat #
Clear	Clear	9200**	9300	9100	9000
Blue	Clear	9201	9301	9101	N/A
Green	Clear	9202	9302	9102	N/A
Red	Clear	9204	9304	9104	N/A
Violet	Clear	9205	9305	9105	N/A
Yellow	Clear	9206	9306	9106	N/A
Assorted*	Clear	9209	9309	9109	N/A
Clear	White	9200-W**	N/A	9100-W**	N/A

Assorted* colors include Blue, Green, Red, Violet, Yellow.

** Available with barcode. Custom barcoding available.

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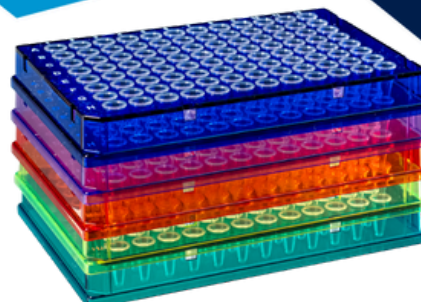
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BioFlex PermaFrame™ PCR Plates

96 Well Rigid PCR Plate

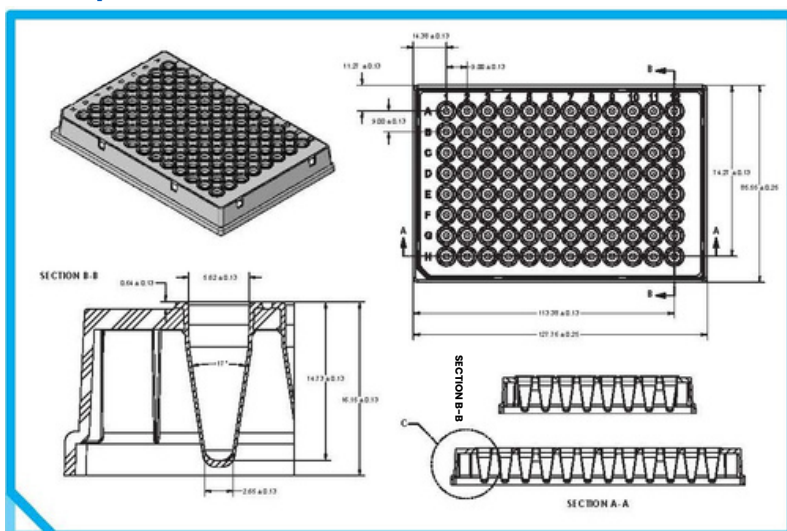
96-Well PermaFrame™ Rigid PCR Plate. Full-Skirt, H12 Notch

- Polycarbonate frame is rigid and flat to facilitate a firm grip by robotic arms and ensure reliable placement.
- Polypropylene wells provide optimal thermal transfer and higher reaction efficiency.
- White well options enhance the fluorescence signal during qPCR.
- Wells are slightly raised to ensure evaporation-proof sealing with film, foil, or strip caps.
- ANSI/SBS footprint and well spacing.
- Vibrant colors offer a visual distinction between different samples or experiments.



Item #	Well Color	Frame Color
9200	Clear	Clear
9200-BC	Clear	Clear
9201	Clear	Blue
9202	Clear	Green
9204	Clear	Red
9205	Clear	Violet
9206	Clear	Yellow
9209	Clear	Assorted ²
9200-W	White	Clear
9200-WBC	White	Clear

2. Assorted Colors: Blue, Green, Red, Violet, Yellow.



Drawing not to scale. All dimensions are in mm, unless otherwise noted.

Dimensions	
Length at Base Plane	127.76 mm
Width at Base Plane	85.56 mm
Height	16.15 mm
Well Depth	14.73 mm
Well Diameter at Opening	5.62 mm
Well Diameter at Bottom of Conical Base	2.65 mm
Well Volume	100 µL
Well Spacing	9.0 mm
Well Angle	17 degrees
Well Offset	
Left Edge to Well A1	14.38 mm
Top Edge to Well A1	11.27 mm
Left Edge to H12	127.76 mm
Top Edge to H12	74.27 mm

0.1ml Full Skirt



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BioFlex PermaFrame™ PCR Plates

96 Well Rigid PCR Plate

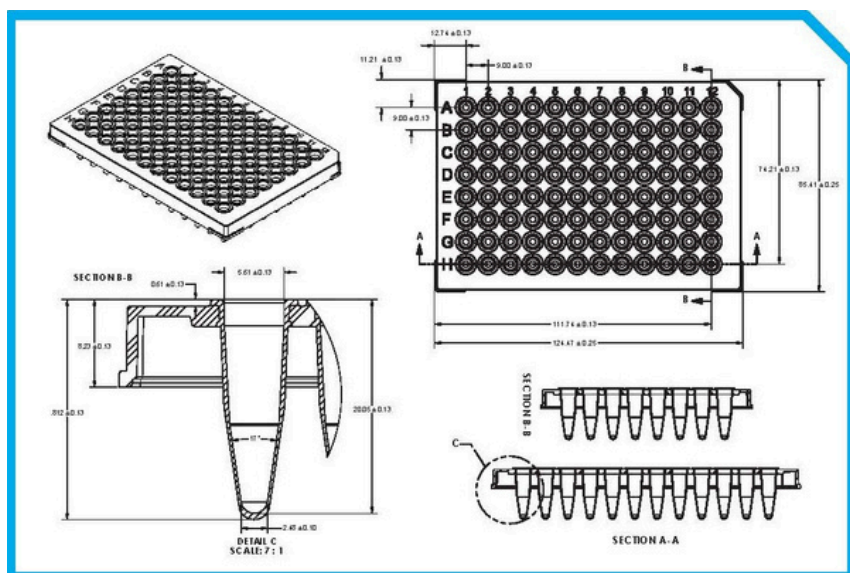
96-Well, Semi-Skirt, A12 Notch

- Polycarbonate frame is rigid and flat to facilitate a firm grip by robotic arms and ensure reliable placement.
- Polypropylene wells provide optimal thermal transfer and higher reaction efficiency.
- Wells are slightly raised to ensure evaporation-proof sealing with film, foil, or strip caps.
- ANSI/SBS footprint and well spacing.
- Vibrant colors offer a visual distinction between different samples or experiments.

Item #	Well Color	Frame Color
9300	Clear	Clear
9300-BC*	Clear	Clear
9301	Clear	Blue
9302	Clear	Green
9304	Clear	Red
9305	Clear	Violet
9306	Clear	Yellow
9309	Clear	Assorted:

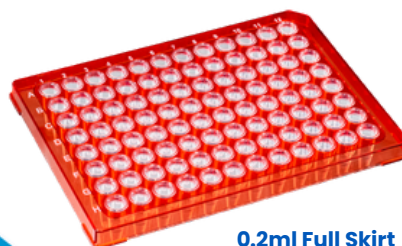
* Pre-barcoded on PI-P24 front side.

2. Assorted Colors: Blue, Green, Red, Violet, Yellow.

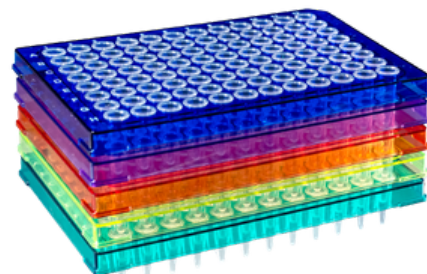


Drawing not to scale. All dimensions are in mm, unless otherwise noted.

Dimensions	
Length at Base Plane	124.47 mm
Width at Base Plane	85.41 mm
Height	21.81 mm
Well Depth	20.05 mm
Well Diameter at Opening	5.61 mm
Well Diameter at Bottom of Conical Base	2.48 mm
Well Volume	200 µL
Well Spacing	9.0 mm
Well Angle	17 degrees
Well Offset	
Left Edge to Well A1	12.74 mm
Top Edge to Well A1	11.21 mm
Left Edge to H12	111.74 mm
Top Edge to H12	74.21 mm



0.2ml Full Skirt



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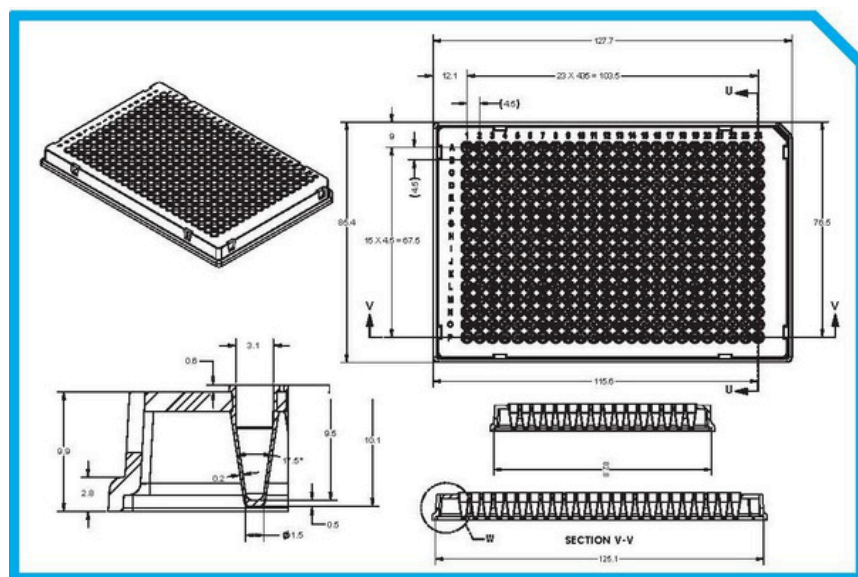
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BioFlex PermaFrame™ PCR Plates

384 Well Rigid PCR Plate

30 μ L Full-Skirt, Single Notch At A24

- Polycarbonate frame is rigid and flat to facilitate a firm grip by robotic arms and ensure reliable placement.
- Polypropylene wells provide optimal thermal transfer and higher reaction efficiency.
- White well options enhance the fluorescence signal during qPCR.
- Wells are slightly raised to ensure evaporation-proof sealing with film, foil, or strip caps.
- ANSI/SBS footprint and well spacing.
- Vibrant colors offer a visual distinction between different samples or experiments.



Drawing not to scale. All dimensions are in mm, unless otherwise noted.

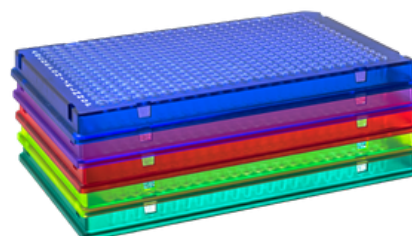
Item #	Well Color	Frame Color
9100	Clear	Clear
9100-BC*	Clear	Clear
9101	Clear	Blue
9102	Clear	Green
9104	Clear	Red
9105	Clear	Violet
9106	Clear	Yellow
9109	Clear	Assorted.
9100-W	White	Clear

* Pre-barcoded on P1-P24 front side.

2. Assorted Colors: Blue, Green, Red, Violet, Yellow.

Dimensions	
Weight	26.033 g
Length at Base Plane	127.7 mm
Width at Base Plane	85.4 mm
Height	10.1 mm
Well Depth	9.5 mm
Well Diameter at Opening	3.1 mm
Well Diameter at Bottom of Conical Base	1.5 mm
Well Volume	30 μ L
Well Spacing	4.5 mm
Well Angle	17.5 degrees
Well Offset	
Left Edge to Well A1	12.1 mm
Top Edge to Well A1	9.0 mm
Left Edge to P12	115.6 mm
Top Edge to P12	76.5 mm

30 μ L Full Skirt A24 Notch



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BioFlex PermaFrame™ PCR Plates

384 Well Rigid PCR Plate

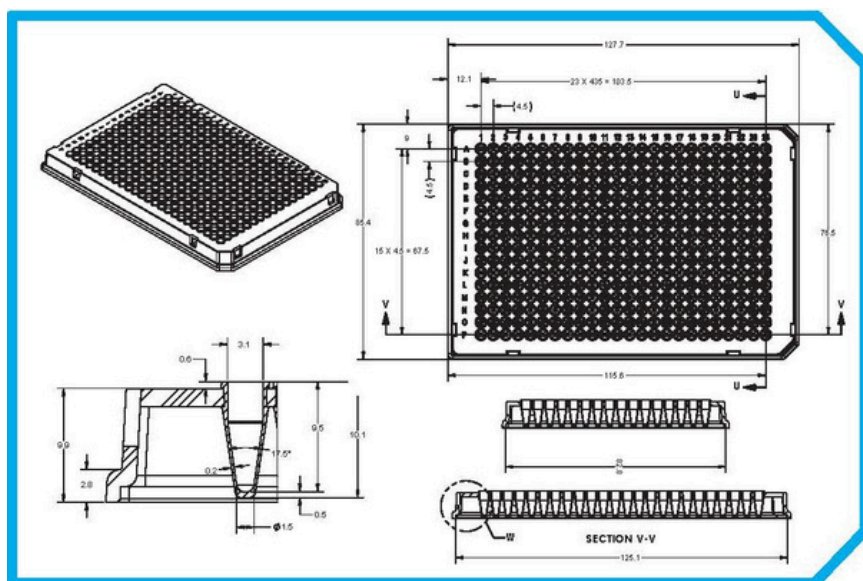
30 μ L 384-Well, Full-Skirt, Dual Notch At A24, P24

- Polycarbonate frame is rigid and flat to facilitate a firm grip by robotic arms and ensure reliable placement.
- Polypropylene wells provide optimal thermal transfer and higher reaction efficiency.
- Wells are slightly raised to ensure evaporation-proof sealing with film, foil, or strip caps.
- ANSI/SBS footprint and well spacing.



Item #	Well Color	Frame Color
9000	Clear	Clear
9000-BC*	Clear	Clear

* Pre-barcoded on P1-P24 front side.



Drawing not to scale. All dimensions are in mm, unless otherwise noted.

Dimensions	
Weight	25.901 g
Length at Base Plane	127.7 mm
Width at Base Plane	85.4 mm
Height	10.1 mm
Well Depth	9.5 mm
Well Diameter at Opening	3.1 mm
Well Diameter at Bottom of Conical Base	1.5 mm
Well Volume	30 μ L
Well Spacing	4.5 mm
Well Angle	17.5 degrees
Well Offset	
Left Edge to Well A1	12.1 mm
Top Edge to Well A1	9.0 mm
Left Edge to P12	115.6 mm
Top Edge to P12	76.5 mm

30 μ L Full Skirt A24, P24 Notch



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Bio Plas Universal PCR Plates

Bio Plas Universal PCR Plate Features:

- Broad thermal cycler compatibility.
- High-contrast, black alphanumeric indexing for easy well identification.
- White wells enhance fluorescence reflection.
- Ultra-thin, uniform wells ensure optimal heat transfer for high reaction efficiency.
- Well ridges reduce sample evaporation when sealing with film, foil, or strip caps.
- Manufactured from high-clarity, ultra-pure, polypropylene to ensure purity and provide excellent optical clarity.
- Certified free of detectable DNase, RNase, DNA, PCR inhibitors, and tested pyrogen-free.



Cat# 9409



Cat# 9400

Universal PCR Plate Ordering Information

Cat #	Description	Color	Pack Qty	Packs/Case
9400	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Clear	10	10
9401	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Blue	10	10
9402	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Green	10	10
9403	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Red	10	10
9404	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Violet	10	10
9405	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Yellow	10	10
9406	0.2 mL Universal PCR Plate, Non-Skirted, Standard	Assorted*	10	10
9407	0.2 mL Universal PCR Plate, Non-Skirted, Standard	White	10	10
9408	0.1 mL Universal PCR Plate, Non-Skirted, Low-Profile	Clear	10	5
9409	0.1 mL Universal PCR Plate, Non-Skirted, Low-Profile	White	10	5

- Assorted Colors: Blue , Green, Red, Violet, Yellow.

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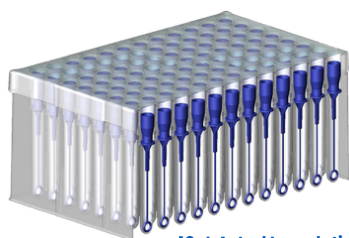
Bio Plas Astral® Inoculation System

"The Ultimate In Accuracy. Every Loop Sterile In Its Own Sealed Chamber."

The disposable Bio Plas Astral® Inoculation System is color coded and consists of the following; 1 uL yellow Astral Loop, 10 uL blue Astral Loop and white Astral Streaking Needle. During manufacturing, these Astral Loops are inserted into racks which have 96 individual tubular chambers. When the 96 chambers are filled with the Astral Loops they are then hermetically sealed with a thin foil membrane. A dust cover is placed over this 96 chamber rack, heat shrunk, and sterilized by electron beam. Additionally all Astral Loops are certified to be free of RNase, DNase, DNA, pyrogens and PCR inhibitors.

The handle is designed to be used with one hand and will easily puncture the membrane attaching itself to the hub of the Astral Loop. It may then be withdrawn from its individual sterile chamber ready to be used for inoculation or streaking. When the inoculation or streaking process is complete, the Astral Loop or Astral Streaking Needle may then be ejected off the Astral Handle.

This easy to use and ruggedly designed Astral Handle may be autoclaved repeatedly, without damage to the handle.



10uL Astral Inoculating Loop, Blue, 7000



Astral Handle 7050

Every case of 10
96-rack package is
supplied with a free
Astral Handle.

Autoclavable at
250°F
@ 15psi for 15 mins

STEP 1
Tip of the Astral
Handle
Pierces and
penetrates
Sealing film



STEP 2
Astral Handle locks
onto Astral Loop or
Astral Streaking
Needle



STEP 3
Astral Handle
withdraws sterile
Astral Loop or
Astral Streaking
Needle



This illustration shows the three easy, rapid, steps used to extract a sterile 10uL Astral Loop from its sealed chamber.

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Bio Plas Astral® Inoculation System

Procedures:

All Astral Loops may be used in quantitative procedures such as sampling, urine counts, serial dilutions, and bacteriological inoculation.

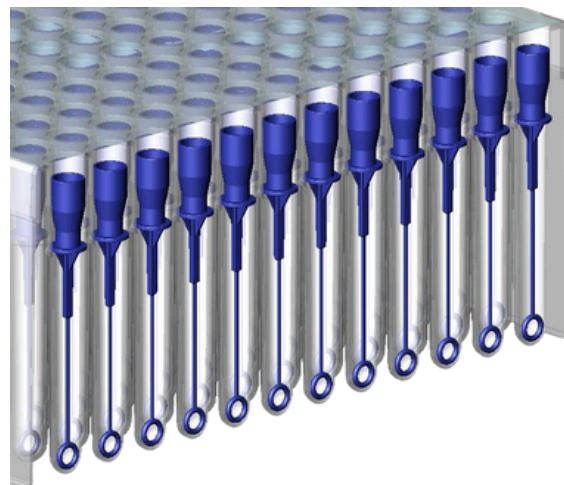
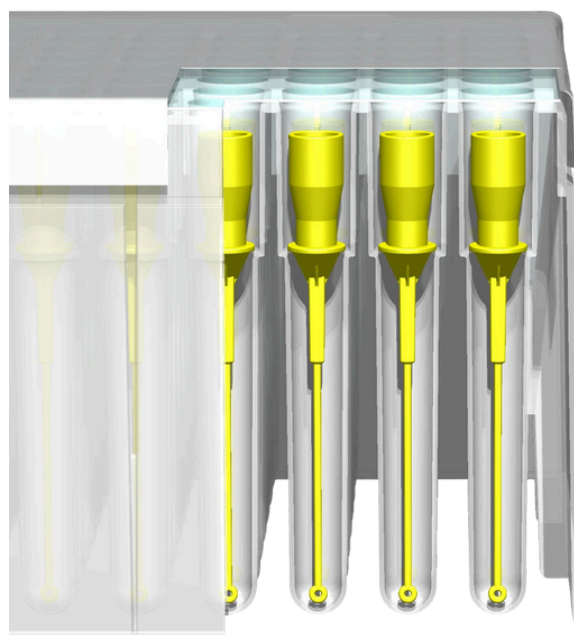
SAFETY: Astral Loops eliminate the metal or wire loop flaming step and the hazards of spattering, cross- contamination, and the risk of infectious pathogens caused as a result of aerosols, and the hazards of open flame.

CONVENIENCE: All Astral Loops may be quickly extracted from the sterilized rack by using the Astral Handle. These Astral Loops are flexible enough to facilitate streaking but rigid enough to penetrate the media for inoculation.

TIME SAVINGS: The Astral Inoculation System allows the technologist to inoculate prepared plates at an extremely rapid rate in any laboratory setting or condition, i.e., anaerobic chambers, fume hoods, satellite labs or, in the field.

ECONOMY: The savings can be substantial; fewer plates used, guaranteed sterility and cleanliness, zero cross-contamination and speed of use

*Astral is a registered trademark of
Bio Plas, Inc., San Rafael, CA*



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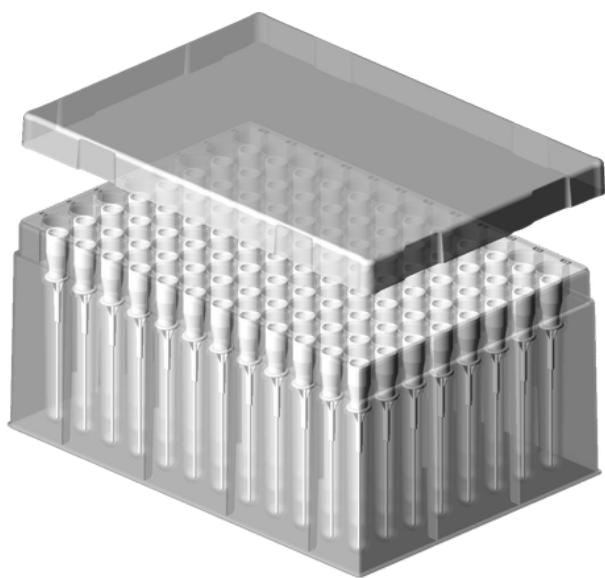


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Bio Plas Astral® Inoculation System



Astral Streaking Needle, Cat# 7020

Astral Handle, Cat# 7050

Autoclavable at 250°F
@ 15psi for 15 mins



Every case of 10
96-rack package is
supplied with a free
Astral Handle.

Astral Inoculation System Ordering Information

Cat #	Description	Color	Pkg. Qty	Pkgs./Case
7000	1uL Astral Inoculation Loop	Yellow	96/Rack	10
7010	10uL Astral Inoculating Loop	Blue	96/Rack	10
7020	Astral Streaking Needle	White	96/Rack	10
7050	Astral Handle	Black	1	1

Astral Loops And Needles Are Sold By The Case

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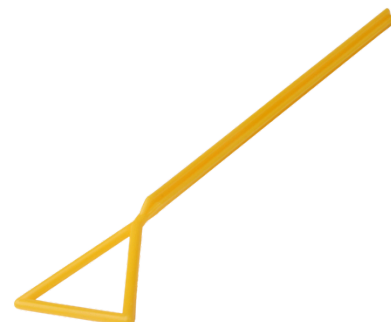
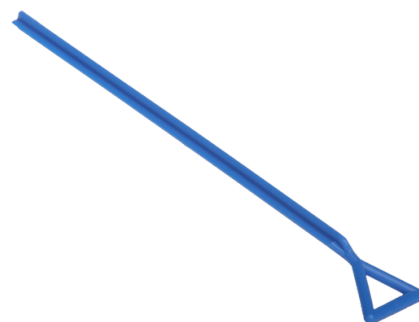
Bio Plas Bacti Cell Spreaders

The Bio Plas® Bacti Cell Spreaders are designed to greatly simplify, and speed up, bacterial culture work. There are two sizes: 30mm and 60mm wide, which allow these polypropylene Bacti Cell Spreaders to make it very easy to evenly distribute bacterial cells rapidly over an entire nutrient surface. The Bacti Cell Spreaders are individually wrapped (or available in bulk) and may be cleaned and autoclaved for multiple uses.

Bacti Cell Spreader Features:

- Autoclavable, non-breakable (eliminates glass hazard)
- 30mm head for prepared bi-plates
- 60mm head for 100-150mm prepared plates
- Sturdy polypropylene provides uniform design
- Easy to manipulate without slippage
- Easy to manipulate around curves and into corners of prepared plates
- Avoids waste of "disposables" thus becoming an environmental benefit
- Always prevents agar surface tears
- Allows for even distribution of specimen
- Produces an even smear for any permanent slide staining, i.e., PVA preserved fecal specimen for protozoan parasites

Autoclavable At 250°F
@ 15psi For 15 mins For
Repeated Use To Reduce Waste.



Bacti Cell Spreader Ordering Information

Cat #	Description	Color	Pack Quantity	Packs/Case
6400	30mm Bacti Cell Spreader	Blue	25	4
6401S	30mm Bacti Cell Spreader, Sterile	Blue	25 Individually Wrapped	4
6405	60mm Bacti Cell Spreader	Yellow	25	4
6406S	60mm Bacti Cell Spreader, Sterile	Yellow	25 Individually Wrapped	4

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Histo Plas: Capsettes™ & Uni Capsettes™

Histo Plas™ Capsettes™ and Uni-Capsettes™ provide a modular, organized means for safe and consistent processing, embedding, sectioning and storage of specimen samples. Available in 16 colors which provide a convenient means of separating surgical and autopsy cases, institutions, pathologist, etc. Both the Histo Plas Capsettes and Uni-Capsettes are accepted by all of the current automatic cassette labelers.

Cost effective, yet quality engineered to remain sealed during processing. Strategically designed slots allow for efficient solvent flow and drainage, Histo Plas Capsettes and Uni-Capsettes will not float during processing. Our rigid design eliminates undersized cassettes during sectioning. Proprietary acetyl copolymer plastic is utilized to resist heat, solvents, decalcifying solutions, and problems associated with microwave processing.

Histo Plas Capsettes and Uni-Capsettes will fit standard stainless steel, and disposable plastic base molds. Uni-Capsettes are sold in packages of 500 disposable plastic tops and (500 specimen) bottoms. Technologists no longer need to struggle with detachment of the lid during embedding.

Histo Plas™ Capsettes™ and Uni-Capsettes™ Features:

- Heavy wall Construction will not float
- Will not open during processing
- Available in 16 Colors
- Engineered to eliminate “chatter” during sectioning



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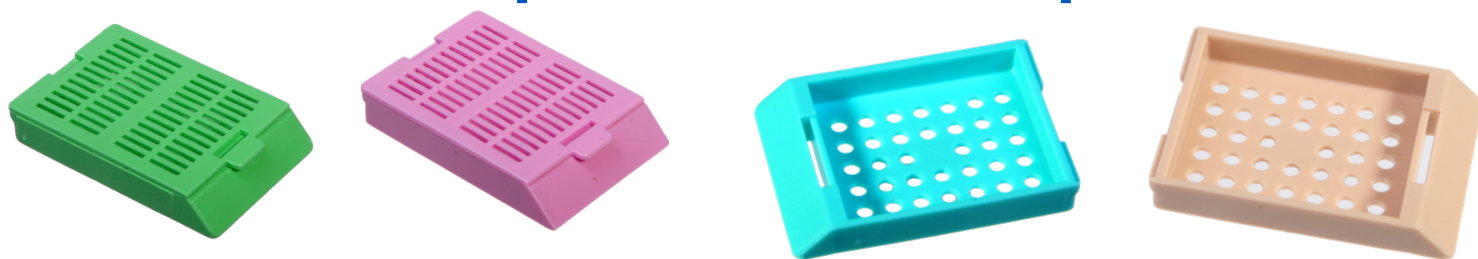
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Histo Plas: Capsettes™ & Uni Capsettes™



Capsettes™ and Uni-Capsettes™ Ordering Information

Uni-Capsettes™	Capsettes™	Description	Color	Pack Qty	Packs/Case
6050	6030	Uni-Capsettes™/Capsettes™	White	500	10
6051	6031	Uni-Capsettes™/Capsettes™	Yellow	500	10
6052	6032	Uni-Capsettes™/Capsettes™	Pink	500	10
6053	6033	Uni-Capsettes™/Capsettes™	Green	500	10
6054	6034	Uni-Capsettes™/Capsettes™	Blue	500	10
6055	6035	Uni-Capsettes™/Capsettes™	Tan	500	10
6056	6036	Uni-Capsettes™/Capsettes™	Orange	500	10
6057	6037	Uni-Capsettes™/Capsettes™	Lilac	500	10
6058	6038	Uni-Capsettes™/Capsettes™	Gold	500	10
6059	6039	Uni-Capsettes™/Capsettes™	Aqua	500	10
6060	6040	Uni-Capsettes™/Capsettes™	Red	500	10
6061	6041	Uni-Capsettes™/Capsettes™	Chartreuse	500	10
6062	6042	Uni-Capsettes™/Capsettes™	Lime	500	10
6063	6043	Uni-Capsettes™/Capsettes™	Rose	500	10
6064	6044	Uni-Capsettes™/Capsettes™	Peach	500	10
6065	6045	Uni-Capsettes™/Capsettes™	Lavender	500	10

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Histo Plas™ Tissue Processing

Foam Biopsy Pads

The Foam Biopsy Pads are fabricated from cellular polyester plastic foam which is manufactured uniformly with air pockets throughout to allow for adequate fluid movement around the tissue while it is securely sandwiched between two pads. This assures the orientation of small biopsy tissue. Available in sizes to fit Tissue Processing Capsules and Cassettes.



Embedding Rings

Tissue is taken from the capsules and placed into stainless steel or plastic base molds. The labeled Embedding Ring is placed atop the base mold, filled with paraffin and cooled. The rings allow for a uniform block and are readily identified when filled. Available in 3 colors for color coding in the laboratory.



Tissue Processing Capsules

For a more economical purchase, the Histo Plas™ disposable, polypropylene Tissue Processing Capsule is the answer. The one piece unit is hinged, perfectly aligned and easy to use. Simply place the tissue in the Capsule and press the cover down to lock securely. The open mesh construction affords maximum fluid exchange during processing and the durable marking surface assures permanent identification. To embed from the capsule we recommend the tissue Embedding Ring system.



Tissue Processing Ordering Information

Cat #	Description	Color	Pack Qty	Packs/Case
6100	Foam Biopsy Pads (Use with 38mm Capsules)	Blue	1000	10
6110	Foam Biopsy Pads (Use with 29mm Capsules)	Blue	1000	10
6120	Foam Biopsy Pads (Use with 1 x 1 1/4 Cassettes)	Blue	1000	10
6001	Embedding Rings	Yellow	500	10
6002	Embedding Rings	Pink	500	10
6003	Embedding Rings	Green	500	10
6010	Tissue Processing Capsules, 38 x 8	White	500	10
6020	Tissue Processing Capsules, 39 x 6	White	500	10

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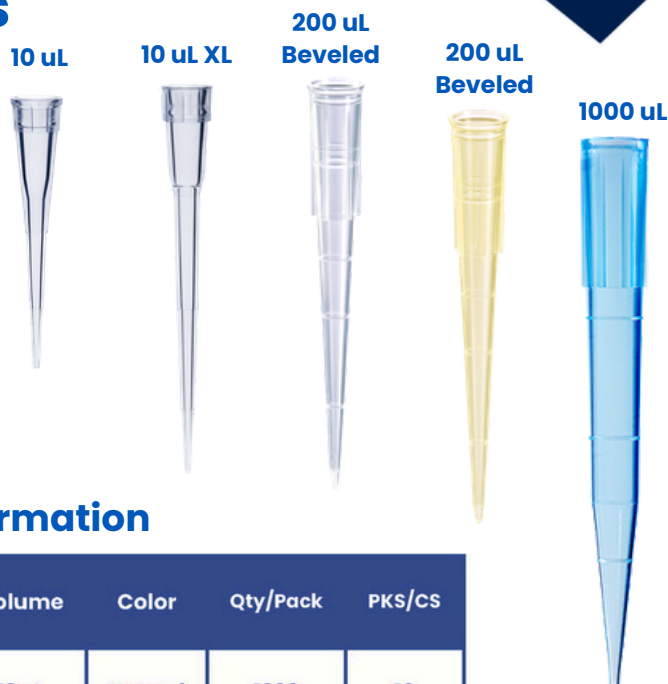
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BioTip™ Standard Pipette Tips

BioTip™ Standard Pipette Tips are suitable for applications or samples that do not require ultra-low retention properties.

- Manufactured from virgin polypropylene to ensure purity and provide excellent optical clarity.
- Universal fit to accommodate most pipettor brands.
- Available in racks, and bulk packs.
- Free of detectable RNase, DNase, DNA, and PCR inhibitors.



Ordering Information

Cat #	Description	Volume	Color	Qty/Pack	PKS/CS
3000	Gilson Fit, Bulk Pack	10 uL	Natural	1000	10
3001	Universal Fit, Bulk Pack	10 uL XL	Natural	1000	10
3002	Universal Fit, Beveled, Bulk Pack	200 uL	Natural	1000	20
3003	Universal Fit, Beveled, Bulk Pack	200 uL	Yellow	1000	20
3002R	Universal Fit, Beveled, Racked, 96 Tips/Rack	200 uL	Natural	10 Racks	5
3003R	Universal Fit, Beveled, Racked, 96 Tips/Rack	200 uL	Yellow	10 Racks	5
3004	Universal Fit, Bulk Pack	1000 uL	Blue	1000	10
3004R	Universal Fit, Racked, 96 Tips/Rack	1000 uL	Blue	10 Racks	5



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BioTip™ LTS® Style Pipette Tips

The Perfect Replacement For Your LTS® Pipettors.

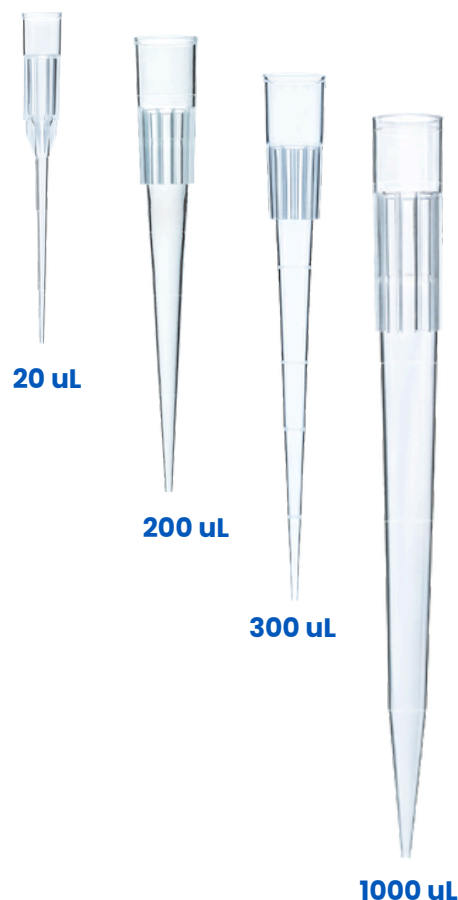
- Compatible with Rainin® single and multi-channel LiteTouch® pipettors.
- Light force required to add or eject tips.
- Available in racked, sterile, filtered sterile and refill formats.
- Tips are made from medical-grade virgin polypropylene.
- Tips are Low-Retention
- Racks and grids are made from post-consumer recycled polypropylene.

BioTip™ LTS® Style Tips feature ultralow ejection force for comfortable, ergonomic pipetting, while delivering superior accuracy and precision for reliable and consistent results.



BioTip™ LTS® Style Tips
for a seamless upgrade to your pipetting experience.

BioTip™ LTS® Style
racks and
refills are
comprised of
post-consumer
recycled
polypropylene.



LTS is a trademark of
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BioTip™ LTS® Style Pipette Tip Ordering Information

Cat#	Description	Volume	Color	Qty/Pack	Packs/Case
2200	20 uL LTS Style Tips, Refills	20 uL	Natural	10 Refills	10
2200R	20 µL LTS Style Tips, Racked	20 uL	Natural	10 Racks	5
2200RS	20 µL LTS Style Tips, Racked, Sterile	20 uL	Natural	10 Racks	5
2200RSF	20 µL LTS Style Filter Tips, Racked, Sterile	20 uL	Natural	10 Racks	5
2202	200 µL LTS Style Tips, Refills	200 uL	Natural	10 Refills	10
2202R	200 µL LTS Style Tips, Racked	200 uL	Natural	10 Racks	5
2202RS	200 µL LTS Style Tips, Racked, Sterile	200 uL	Natural	10 Racks	5
2202RSF	200 µL LTS Style Filter Tips, Racked, Sterile	200 uL	Natural	10 Racks	5
2203	1000 µL LTS Style Tips, Refills	1000 uL	Natural	8 Refills	5
2203R	1000 µL LTS Style Tips, Racked	1000 uL	Natural	10 Racks	4
2203RS	1000 µL LTS Style Tips, Racked, Sterile	1000 uL	Natural	10 Racks	4
2203RSF	1000 µL LTS Style Filter Tips, Racked, Sterile	1000 uL	Natural	10 Racks	4
2204	300 µL LTS Style Tips, Refills	300 uL	Natural	10 Refills	10
2204R	300 µL LTS Style Tips, Racked	300 uL	Natural	10 Racks	5
2204RS	300 µL LTS Style Tips, Racked, Sterile	300 uL	Natural	10 Racks	5
2204RSF	300 µL LTS Style Filter Tips, Racked, Sterile	300 uL	Natural	10 Racks	5
2206	Empty LTS Rack, Tall for 20 uL, 200 uL, and 300uL LTS Refills			20 Empty Racks	1
2207	Empty LTS Rack, Large for 1000XL LTS Refills			20 Empty Racks	1

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BioTip™ Low Retention Pipette Tips

- High-clarity polypropylene meets FDA 21 CFR 177.1520 & USP Class VI.
- Filtered tips have a hydrophobic HDPE barrier that won't contaminate or impede airflow.
- Proprietary resin technology facilitates clean release.
- Refill Systems provide a cost-effective, eco-friendly, alternative to storing racked product.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.
- Sterile product is certified endotoxin-free.

Clean Liquid Release

Pipette tips deliver a much cleaner liquid release, dispensing all of the sample and improving pipetting accuracy. Users will maintain complete fluid control, even when working with smaller volumes, while not compromising the accuracy and precision of their pipetting.

Low-Retention

All tips are designed to be naturally low-binding, but tips with our proprietary resin are considerably more hydrophobic than standard tips, enabling even viscous fluids to be dispensed more completely.

Filtered Tips

Filtered Pipette Tips offer an extra level of protection, confidence, and control by providing a barrier between the nose cone of the pipettor and the sample.

Advantages of the Filter Membrane:

- Manufactured from high-density, inert polyethylene (HDPE).
- Contains no additives that can contaminate samples if encountered.
- Provides a barrier against contamination, but will not impede airflow.
- Hydrophobic properties prevent absorption of samples.



Racked Tips



Bulk Tips



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- Sterile product is certified endotoxin-free.

Refill Systems

Refill Systems provide handy lift-and-load simplicity, and do not require any tools or special instructions to move from an empty insert to a fresh set of 96 tips. These environmentally friendly refills reduce lab waste by 70%, while also conserving precious shelf space.

Eco-Friendly

EnviroPak™ Refills are in paperboard packaging preferred by some institutional recycling programs.

Refills

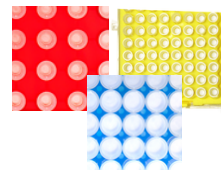


Rack Grid Colors

Red: 10 μ L & 10 μ L XL

Yellow: 20, 100, 200 & 300 μ L

Blue: 1000 & 1250 μ L



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BioTip™ Low Retention Pipette Tips

BioTip™ Low Retention Pipette Tip Ordering Information

Cat#	Description	Volume	Graduations	Color	Qty/Pk	Pks/Cs
3100	Low Retention, Racked, 96 Tips/Rack	10 uL	2 & 10 uL	Natural	10 Racks	5
3101	Low Retention, Extra Long, Racked, 96 Tips/Rack	10 uL XL	1, 2 & 10 uL	Natural	10 Racks	5
3102	Low Retention, Racked, 96 Tips/Rack	200 uL	10, 50, 100 uL	Natural	10 Racks	5
3103	Low Retention, Racked, 96 Tips/Rack	300 uL	10, 50, 100, 200 uL	Natural	10 Racks	5
3104	Low Retention, Racked, 96 Tips/Rack	1000 uL	100, 500, 1000 uL	Natural	10 Racks	5
3105	Low Retention, Racked, 96 Tips/Rack	1250 uL	100, 500, 1000 uL	Natural	10 Racks	5
3100E	EnviroPak Refills Low Retention, Racked, 96 Tips/Rack	10 uL	2 & 10 uL	Natural	10 Refills	10
3101E	EnviroPak Refills Low Retention, Racked, 96 Tips/Rack	10 uL XL	1, 2 & 10 uL	Natural	10 Refills	10
3102E	EnviroPak Refills Low Retention, Racked, 96 Tips/Rack	200 uL	10, 50, 100 uL	Natural	10 Refills	10
3105E	EnviroPak Refills Low Retention, Racked, 96 Tips/Rack	1250 uL	100, 500, 1000 uL	Natural	10 Refills	10
3100B	Low Retention, Bulk, 1000 Tips/Bag	10 uL	2 & 10 uL	Natural	1000	10
3101B	Low Retention, Bulk, 1000 Tips/Bag	10 uL XL	1, 2 & 10 uL	Natural	1000	10
3102B	Low Retention, Bulk, 1000 Tips/Bag	200 uL	10, 50, 100 uL	Natural	1000	10
3104B	Low Retention, Bulk, 1000 Tips/Bag	1000 uL	100, 500, 1000 uL	Natural	1000	10
3105B	Low Retention, Bulk, 1000 Tips/Bag	1250 uL	100, 500, 1000 uL	Natural	1000	10

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BioTip™ Filtered Low Retention Pipette Tips



BioTip™ Filtered Low Retention Pipette Tip Ordering Information

Cat	Description	Grad	Volume	Color	Qty/Pack	Pk/Cs
3300	Filtered, Low Retention, Sterile, 96 Tips/Rack	2, 10 uL	10 uL	Natural	10 Racks	5
3301	Filtered, Low Retention, Sterile, 96 Tips/Rack	1, 2, 10 uL	10 uL XL	Natural	10 Racks	5
3302	Filtered, Low Retention, Sterile, 96 Tips/Rack	10 uL	20 uL	Natural	10 Racks	5
3303	Filtered, Low Retention, Sterile, 96 Tips/Rack	10, 50 uL	100 uL	Natural	10 Racks	5
3304	Filtered, Low Retention, Sterile, 96 Tips/Rack	10, 50, 100 uL	200 uL	Natural	10 Racks	5
3305	Filtered, Low Retention, Sterile, 96 Tips/Rack	10, 50, 100, 200 uL	300 uL	Natural	10 Racks	5
3306	Filtered, Low Retention, Sterile, 96 Tips/Rack	100, 500, 1000 uL	1000 uL	Natural	10 Racks	5
3307	Filtered, Low Retention, Sterile, 96 Tips/Rack	100, 500, 1000 uL	1250 uL	Natural	10 Racks	5

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BioTip™ Macro Pipette Tips

5 mL and 10 mL Macro Tips

- Tip length facilitates access into bottles, cell culture flasks, and tubes.
- Universal-fit for compatibility with most major pipettor brands.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.
- Sterile product is certified endotoxin-free.

IMPROVED ACCURACY OVER SEROLOGICAL PIPETTES



Cat# 3250
5 mL
Gilson / Universal



Cat# 3251
5 mL
Eppendorf



Cat# 3252
10 mL
Finn / Socorex



Cat# 3253
10 mL
Gilson / Eppendorf



BioTip™
Macro Tip Racks

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BioTip™ Macro Pipette Tips

3250RSF
Filtered Tip



3253RSF
Filtered Tip



BioTip™ 5 mL and 10 mL Macro Tip Ordering Information

Cat	Description	Volume	Color	Qty/Pk	Pk/Cs
3250	Gilson-Fit (Universal) Macro Tips, Bulk	5 mL	Natural	250	10
3251	Eppendorf-Fit Macro Tips, Bulk	5 mL	Natural	250	10
3250R	Gilson-Fit Macro Tips, 50 Tips/Rack	5 mL	Natural	1 Rack	10
3251R	Eppendorf-Fit Macro Tips, 50 Tips Rack	5 mL	Natural	1 Rack	10
3250RSF	Gilson-Fit Macro Tips, Filtered, Sterile, 50 Tips/Rack	5 mL	Natural	1 Rack	10
3251RSF	Eppendorf-Fit Macro Tips, Filtered, Sterile, 50 Tip/Rack	5 mL	Natural	1 Rack	10
3252	Socorex/Finn-Fit Macro Tips, Bulk	10 mL	Blue	200	10
3253	Gilson/Eppendorf-Fit Macro Tips, Bulk	10 mL	Natural	200	10
3252R	Socorex/Finn-Fit Macro Tips, Racked, 25 Tips/Rack	10 mL	Blue	1 Rack	10
3253R	Gilson/Eppendorf-Fit Macro Tips, 25 Tips/Rack	10 mL	Natural	1 Rack	10
3253RSF	Gilson/Eppendorf-Fit Macro Tips, Filtered, Sterile, 25 Tips/Rk	10 mL	Natural	1 Rack	10

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Gilson is a registered trademark of Gilson, Inc. Finnipipette (Finn) is a registered trademark of Thermo Fisher Scientific.

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BioTip™ Wide Bore Pipette Tips

IDEAL FOR NEXT-GEN SEQUENCING (NGS) PROTOCOL, AND IDEAL FOR PIPETTING OF MACROMOLECULES AND VISCOUS SAMPLES

- Larger opening prevents cell fragmentation due to shearing.
- Patented press-to-open racks enable easy one handed operation.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free.
- Sterile product is certified endotoxin-free.



Cat# 3400RSF



Cat# 3400R



BioTip™ Wide Bore Tip Ordering Information

Cat	Description	Size	Length	Orifice	Color	Qty/PK	PK/CS
3400R	Wide Bore Pipette Tips, 96 Tips/Rack	200 uL	50.4 mm	1.5 mm	Natural	10 Racks	5
3400RSF	Wide Bore Pipette Tips, Sterile, Filtered, 96 Tips/Rack	200 uL	50.4 mm	1.5 mm	Natural	10 Racks	5
3401R	Wide Bore Pipette Tips, Graduated, 96 Tips/Rack	1000 uL	86.4 mm	1.7 mm	Yellow	10 Racks	5
3401RSF	Wide Bore Pipette Tips, Sterile, Filtered, 96 Tips/Rack	1000 uL	86.4 mm	1.7 mm	Natural	10 Racks	5

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BioTip™ Multi-Volume XL, Low Retention Filter Tips

ONE TIP DOES IT ALL!

- Extended length (91 mm / 3.58 inch) to easily reach the bottom of
- 12 x 75 mm tubes without risking contamination to the pipettor nose
- cone.
- Filter placement is optimized to accommodate 20, 100, and 200 μ L
- pipettors; non-filtered tips are also compatible with 300 μ L pipettors
- eliminating the need to keep multiple tips in inventory.
- Universal-fit for compatibility with most major pipettor brands.
- Proprietary resin technology creates a low-binding surface for
- maximum sample recovery.
- Compatible with 20, 100, and 200 μ L pipettors (and 300 μ L nonfiltered).
- 96-tip format in a hinged, locking rack that easily accommodates
- multi-channel pipettors.
- Graduations at 10, 50, 100, 150, and 200 μ L.
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested
- pyrogen-free.
- Sterile product is certified endotoxin-free.



Cat# 3304XL

BioTip™ Multi-Volume XL Filter Tip Ordering Information

Cat	Description	Size	Color	Qty/PK	PK/CS
3304XL	Multi-Volume XL Filter Tip, Low Retention, Sterile, 96 Tips/Rack	200 uL	Natural	2 Racks	5
3304XL-2	Multi-Volume XL Filter Tip, Low Retention, Sterile, 96 Tips/Rack	200 uL	Natural	10 Racks	4

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A Woman Owned Small Business

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