

labForce

Laboratory Consumables

SHARP[™]
Elite
Next-Generation Precision

Pipette Tips



Amplifit[™]

PCR Products



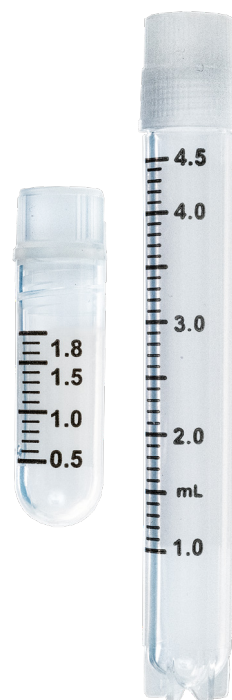
Posi-Lock

Microcentrifuge Tubes



CryoFrost[™]

Cryogenic Vials



Low-Retention Pipette Tips

- Low fluid retention
- Minimize sample loss
- Universal soft fit
- Fine point tip for faster liquid release
- Certified DNase, RNase, and pyrogen-free

Graduations

10 μ L: 2 & 10 μ L

10 μ L XL: 1, 2, & 10 μ L

20 μ L: 10 μ L

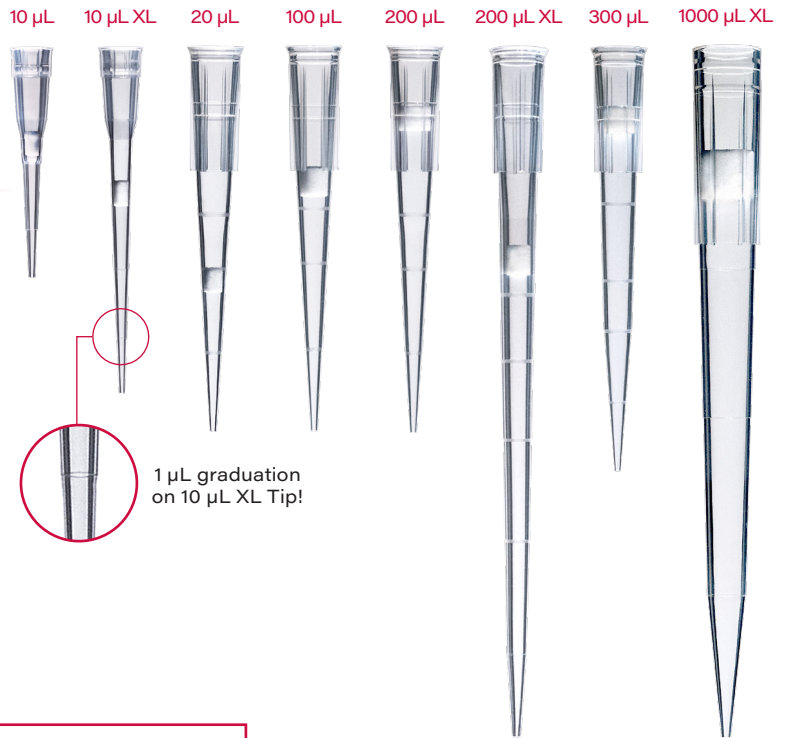
100 μ L: 10, 50, & 100 μ L

200 μ L: 10, 50, & 100 μ L

200 μ L XL: 10, 50, 100, 150 & 200 μ L

300 μ L: 10, 50, 100, & 200 μ L

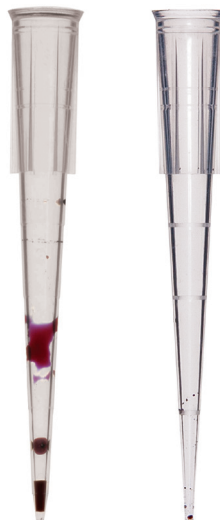
1000 μ L XL: 100, 500, & 1000 μ L



Barrier Tips

Filtered Pipette Tips offer an extra level of confidence and control by providing a hydrophobic, non-absorbing barrier between the pipettor and the sample.

Competitor's Tip



Sharp Elite Tip

Clean Release

Sharp Elite pipette tips incorporate a specially-formulated resin to guarantee less fluid retention and deliver the highest level of liquid handling performance. Thinner walls and finely tapered tip construction eliminate the need to touch off and improves liquid release.



A Superior Rack

- Racks are labeled with volume and lot information for easy identification.
- Plastic rack labels are autoclavable and 100% recyclable.
- Branding on rack lids is permanently bonded—no yellowing or bubbling with autoclaving.

Low-Retention Pipette Tips



Barrier Tips, Sterile, Racked

Item #	Volume	Quantity
1149J69	10 µL	960 Tips/PK, 4800 Tips/CS
1149J70	10 µL XL	960 Tips/PK, 4800 Tips/CS
1149J71	20 µL	960 Tips/PK, 4800 Tips/CS
1149J88	100 µL	960 Tips/PK, 4800 Tips/CS
1149J72	200 µL	960 Tips/PK, 4800 Tips/CS
1138W95	200 µL XL	960 Tips/PK, 4800 Tips/CS
1149J73	300 µL	960 Tips/PK, 4800 Tips/CS
1145N16	1000 µL XL	960 Tips/PK, 3840 Tips/CS

Racked Tips

Item #	Volume	Quantity
1149J90	10 µL	960 Tips/PK, 4800 Tips/CS
1149J93	10 µL XL	960 Tips/PK, 4800 Tips/CS
1149K10	200 µL	960 Tips/PK, 4800 Tips/CS
1138M55	200 µL XL	192 Tips/PK, 960 Tips/CS
1138M56	300 µL	960 Tips/PK, 4800 Tips/CS
1145N14	1000 µL XL	960 Tips/PK, 3840 Tips/CS

Sterile, Racked Tips

Item #	Volume	Quantity
1149J91	10 µL	960 Tips/PK, 4800 Tips/CS
1148B42	10 µL XL	960 Tips/PK, 4800 Tips/CS
1148F34	200 µL	960 Tips/PK, 4800 Tips/CS
1138W98	200 µL XL	192 Tips/PK, 960 Tips/CS
1148B83	300 µL	960 Tips/PK, 4800 Tips/CS
1145N15	1000 µL XL	960 Tips/PK, 3840 Tips/CS



Bulk Tips

Item #	Volume	Quantity
1149J97	10 µL	1000 Tips/PK, 10000 Tips/CS
1148B39	10 µL XL	1000 Tips/PK, 10000 Tips/CS
1149J98	200 µL	1000 Tips/PK, 20000 Tips/CS
1148F60	300 µL	1000 Tips/PK, 10000 Tips/CS
1145N12	1000 µL XL	1000 Tips/PK, 10000 Tips/CS

Reload Systems

Save time & money!

- Reduce waste by reusing autoclavable tip boxes.
- Budget friendly—less expensive than pre-racked tips.
- Reload 96 tips in 3 seconds or less!
- 100% recyclable.

Bench Pack Reloads

Bench Pack reloads are housed in paperboard packaging which is preferred in some recycling programs.

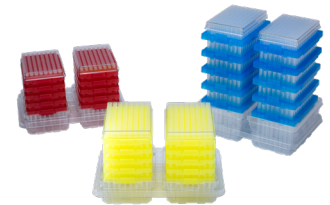


Bench Pack Reloads

Item #	Volume	Quantity
1138M50	10 µL	960 Tips/PK, 9600 Tips/CS
1138M51	10 µL XL	960 Tips/PK, 9600 Tips/CS
1138M52	200 µL	960 Tips/PK, 9600 Tips/CS
1148B79	300 µL	960 Tips/PK, 9600 Tips/CS
1145N13	1000 µL XL	768 Tips/PK, 3840 Tips/CS

Clean Pack Reloads

Clean Pack reloads are housed in clean, durable PET packaging and are 100% particulate-free.



Clean Pack Reloads

Item #	Volume	Quantity
1149J75	10 µL	960 Tips/PK, 9600 Tips/CS
1149J96	10 µL XL	960 Tips/PK, 9600 Tips/CS
1149K11	200 µL	960 Tips/PK, 9600 Tips/CS
1148B86	300 µL	960 Tips/PK, 9600 Tips/CS
1148F58	1000 µL XL	960 Tips/PK, 9600 Tips/CS

Clean Pack, Barrier Tip Reloads

Item #	Volume	Quantity
20A00F769	10 µL	192 Tips/PK, 4800 Tips/CS
20A00F768	10 µL XL	192 Tips/PK, 4800 Tips/CS
1138M54	20 µL	192 Tips/PK, 4800 Tips/CS
20A00F770	100 µL	192 Tips/PK, 4800 Tips/CS
1138W96	200 µL	192 Tips/PK, 4800 Tips/CS
1138W97	1000 µL XL	192 Tips/PK, 2880 Tips/CS

Empty Racks

Item #	Volume	Quantity
1138W11	10 µL -300 µL	20 Empty Racks/PK
1138W12	1000 µL XL	20 Empty Racks/PK

NEW!



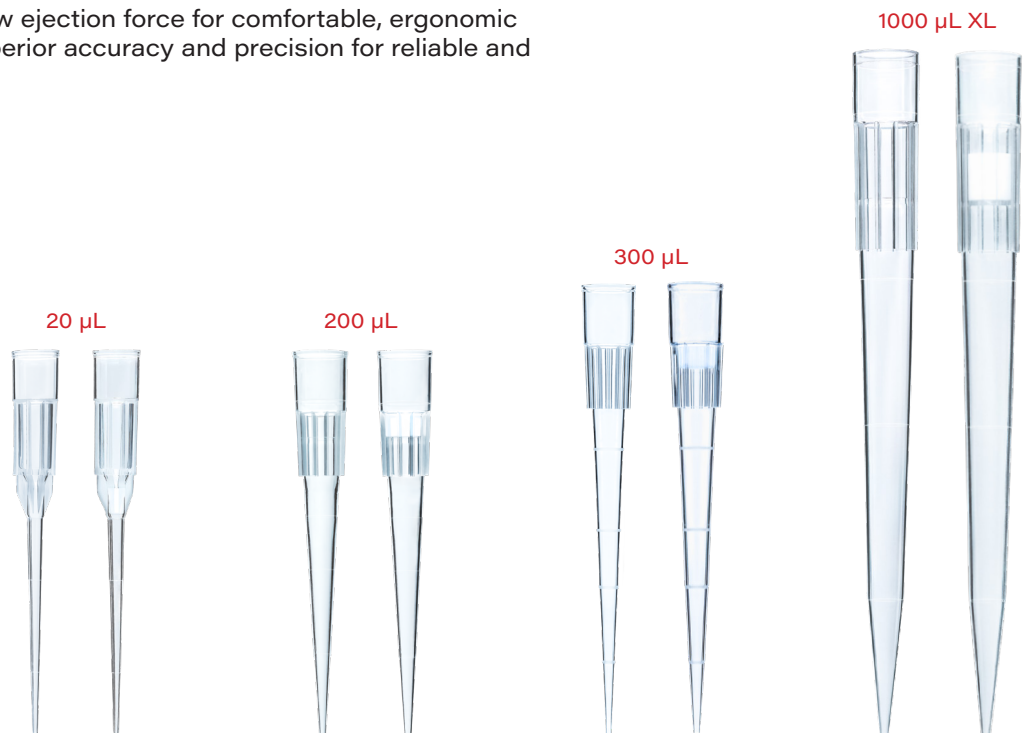
New! LTS[®]-Compatible Pipette Tips

- Compatible with Rainin[®] single- and multi-channel LiteTouch[®] pipettors.
- Light force required to add or eject tips.
- LTS tips are made from medical-grade virgin polypropylene.
- Racks and grids are made from post-consumer recycled resin, representing **up to a 60% reduction in the use of virgin polypropylene!**

Up to 60% of the plastic in LTS racks and reloads are comprised of post-consumer recycled polypropylene.

Choose LTS-Style Tips for a seamless upgrade to your pipetting experience.

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



Tips shown in actual size.

Description	20 µL	200 µL	300 µL	1000 µL XL
Racked	23A00V214	23A00V219	23A00V224	23A00V229
Racked, Sterile	23A00V215	23A00V220	23A00V225	23A00V230
Racked, Sterile, Filtered	23A00V216	23A00V221	23A00V226	23A00V231
EcoPac [®] Reloads	23A00V212	23A00V217	23A00V222	23A00V227
EcoPac [®] Reloads, Sterile	23A00V213	23A00V218	23A00V223	23A00V228
Empty Racks	23A00V232	23A00V232	23A00V233	23A00V234

Rainin, LTS and LiteTouch are registered trademarks of Mettler-Toledo Rainin, LLC.

Now, 2 great ways to reduce plastic waste!

1. Reload Systems

SharpElite LTS Reloads offer a convenient, cost-effective way to refill and reuse your empty racks with fresh tips and reduce your laboratory waste by 70%!

Reloads are packed in chipboard boxes that may be preferred by some institutional recycling programs.

Easily go from empty to a fresh set of tips!



2. Post-Consumer Recycled Racks & Grids

Tip Racks & Wafers are made from **post-consumer recycled resin**, saving 60% in the use of virgin polypropylene.



Pipette Tips and Rack Lids are made from **100% virgin polypropylene** for maximum clarity.



All resins are certified free of RNase, DNase, DNA and PCR inhibitors.



Begin with **certified post-consumer plastics**—milk jugs, detergent bottles, oil bottles



Recycled plastic washed, reground, and pelletized into **post-consumer recycled resin**.

Amplifit™

PCR Strip Tubes

Ultra-thin walls

for optimum heat transfer and reaction efficiency.

Crystal clarity

easy to visualize content of each well.

Certified free

of DNase, RNase, DNA, and PCR inhibitors.



Rigid Strip

Preferred by most customers, due to rigid linkages that prevent spills.



Split-Strip

Great for customers who use only portions of strips. Simply break off the number of tubes you require and save the rest. No scissors required.



Hinge Strips

Prevent accidents common with separate caps.

Rigid-Strip Tubes with Individually-Attached Caps

Item #	Volume	Description	Colors	Quantity
1148A28	0.2 mL	8-Strip Tubes, Optically-Clear Flat Caps	Clear*	120 strips/PK
1159V39	0.1 mL	8-Strip Low-Profile Tubes, Optically-Clear Flat Caps	Clear	120 strips/PK
1148A35	0.2 mL	8-Strip Tubes, Optically-Clear Flat Caps	White	120 strips/PK
1148A36	0.1 mL	8-Strip Low-Profile Tubes, Optically-Clear Flat Caps	White	120 strips/PK

Most Popular!

Split-Strip Tubes with Individually-Attached Caps

Item #	Volume	Description	Colors	Quantity
1148A16	0.2 mL	8-Strip Tubes, Dome Cap	Clear*	120 strips/PK
1148A25	0.2 mL	8-Strip Tubes, Flat Caps	Clear	120 strips/PK
1148A26	0.1 mL	8-Strip Tubes, Flat Caps, Low-Profile	Clear	120 strips/PK

Hinge-Strip Tubes with Attached Caps

Item #	Volume	Description	Colors	Quantity
1148A07	0.2 mL	8-Strip Tubes, Dome Caps	Clear	125 strips/PK
1148A09	0.2 mL	8-Strip Tubes, Flat Caps	Clear*	125 strips/PK

* Color options available online



Separate Tubes & Caps



Individual Tubes



Corbett-Type Tubes

8-Tube & Cap Strips Packed Together

Item #	Volume	Description	Colors	Quantity
1149Z65	0.2 mL	8-Strip Tubes & Domed Strip Caps	Clear*	125 sets/PK
1149K07	0.2 mL	8-Strip Tubes & Optically-Clear Flat Caps	Clear	125 sets/PK
1149Z78	0.2 mL	8-Strip Tubes & Optically-Clear Flat Caps	White	125 sets/PK
1149Z81	0.1 mL	8-Strip Low-Profile Tubes & Optically-Clear Flat Caps	Clear	125 sets/PK

12-Tube & Cap Strips Packed Together

Item #	Volume	Description	Colors	Quantity
1149Z68	0.2 mL	12-Strip Tubes & Domed Strip Caps, Clear	Clear*	80 sets/PK
1149Z79	0.2 mL	12-Strip Tubes & Flat Optically-Clear Strip Caps	Clear	80 sets/PK

Separate Tube & Cap Strips

Item #	Volume	Description	Colors	Quantity
1149Z13	--	8-Strip Dome Caps	Clear*	125 strips/PK
1149Z34	--	8-Strip Optically-Clear, Flat Caps	Clear	125 strips/PK
1149Z20	--	12-Strip Dome Caps	Clear	80 strips/PK
1149Z35	--	12-Strip Optically-Clear, Flat Caps	Clear	80 strips/PK
1149Z36	0.2 mL	8-Strip Tubes	Clear*	125 strips/PK
1149Z51	0.1 mL	8-Strip Tubes, Low-Profile	Clear	125 sets/PK
1149Z52	0.1 mL	8-Strip Tubes, Low-Profile	White	125 sets/PK
1159V31	0.2 mL	12-Strip Tubes	Clear	80 strips/PK

Individual PCR Tubes

Item #	Volume	Description	Colors	Quantity
1149Z84	0.2 mL	Tubes with Dome Caps	Clear*	1000/PK
1149Z91	0.2 mL	Tubes with Frosted Flat Cap	Clear*	1000/PK
1149Z98	0.2 mL	Tubes with Optically-Clear Flat Caps	Clear	1000/PK
1149Z99	0.5 mL	Tubes with Dome Caps	Clear	1000/PK
1148A00	0.5 mL	Tubes with Frosted Flat Caps	Clear*	1000/PK

Corbett-Type Strip Tubes & Caps

Item #	Volume	Description	Colors	Quantity
1139Y44	0.1 mL	Corbett-Type Strip Tubes & Caps (Compatible with Rotor-Gene)	Clear	250 sets/PK

* Color options available online



Polypropylene PCR Plates



- Slightly raised rim around each well for improved sealing
- Optically clear with printed alphanumeric
- 100% virgin polypropylene construction
- Uniform, thin wall thickness for consistent thermal transfer
- Certified DNase, RNase, and pyrogen-free

Cat No.	Volume	Plate Description	Color	Notch	Quantity
1148A38	0.2 mL	96-Well No Skirt, Standard	Clear	A12	10 Plates
1149K04	0.2 mL	96-Well No Skirt, Standard	Clear	A12	25 Plates
1148A47	0.1 mL	96-Well No Skirt, Low-Profile	Clear	H12	20 Plates
1148A58	0.2 mL	96-Well Semi-Skirt, ABI-Type	Clear	A12	10 Plates
1139Y45	0.2 mL	96-Well Semi-Skirt, ABI-Type	Clear	A12	25 Plates
1148A69	0.2 mL	96-Well Semi-Skirt, ABI®-Type	Clear	A12	10 Plates
1149K06	0.2 mL	96-Well Semi-Skirt, ABI®-Type	Clear	A12	25 Plates
1148A73	0.1 mL	96-Well Semi-Skirt, Low Profile, Raised Sides, Fits ABI Fast® Cyclers	Clear	A1	10 Plates
1139Y46	0.2 mL	96-Well Semi-Skirt, Straight Side	Clear	A12	50 Plates
1149K03	0.2 mL	96-Well Semi-Skirt, Straight Side	Clear	A12	25 Plates
1139Y51	0.1 mL	96-Well Semi-Skirt, Low Profile, LightCycler® Compatible	White	H12	10 Plates
1148A98	0.1 mL	96-Well Full Skirt, Low-Profile	Clear	A12	10 Plates
1149K05	0.1 mL	96-Well Full Skirt, Low-Profile	Clear	A12	25 Plates
1148B05	0.1 mL	96-Well Full Skirt, Low-Profile, Bio-Rad® Compatible	White	A12	10 Plates
1148A95	30 µL	384-Well Full Skirt, ABI-Type	Clear	A24	10 Plates
1148A96	30 µL	384-Well Full Skirt, ABI-Type	Clear	A24	25 Plates
1148A91	30 µL	384-Well Full Skirt, Roche®-Type	Clear	A24, P24	10 Plates

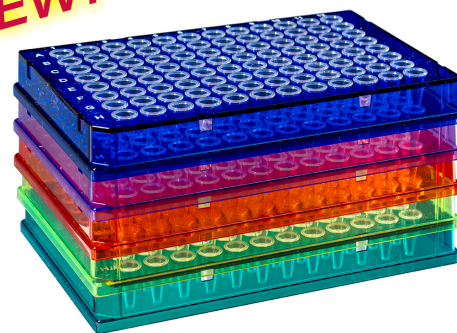
Popular Thermal Cycler Compatibility

Thermal Cycler	0.1 mL Low Profile		0.2 mL Standard		384-Well
	Strip Tube	Plate	Strip Tube	Plate	Plate
ABI*	1159V39	1148A73	1148A28	1148A69	1148A95
Bio-Rad*	1159V39	1148A98	1148A28	1149K03	1148A95
Bio-Rad* Real-Time	1148A36	1148B05	--	--	1148A97
Roche LightCycler*	1148A36	1139Y51	--	--	1148A92

LightCycler is a registered trademark of Roche Diagnostic, GmbH. ABI is a trademark of Applied Biosystems. Bio-Rad is a registered trademark of Bio-Rad Laboratories, Inc.

RigiFrame[™] Ampliflyt[™]

NEW!



New! Rigid PCR Plates

RigiFrame[™] Ampliflyt[™] PCR plates are the perfect solution for customers performing PCR or qPCR applications who want to minimize potential issues with warped plates and automation or prefer color coding their experiments.

All RigiFrame[™] PCR plates have the following features:

- Broad thermal cycler compatibility to fit most commercially-available instruments.
- Rigid polycarbonate frame to reduce warping commonly associated with polypropylene PCR plates.
- Ultra-thin polypropylene wells provide optimal thermal transfer and higher reaction efficiencies.
- White well options enhance the fluorescence signal during qPCR.
- ANSI/SBS footprint and well spacing make them perfectly suitable for robotics and liquid handling instruments.
- Pre-barcoded options for customers who desire more traceability.

Item #	Description	Frame Color	Well Color	Packaging
96-Well 0.1 mL Full-Skirt Plate				
23A00U722	96-Well Full-Skirt 0.1 mL PCR Plate	Clear	Clear	10 plates/PK
23A00U723	96-Well Full-Skirt 0.1 mL PCR Plate	Blue	Clear	10 plates/PK
23A00U724	96-Well Full-Skirt 0.1 mL PCR Plate	Green	Clear	10 plates/PK
23A00U725	96-Well Full-Skirt 0.1 mL PCR Plate	Red	Clear	10 plates/PK
23A00U726	96-Well Full-Skirt 0.1 mL PCR Plate	Violet	Clear	10 plates/PK
23A00U727	96-Well Full-Skirt 0.1 mL PCR Plate	Yellow	Clear	10 plates/PK
23A00U728	96-Well Full-Skirt 0.1 mL PCR Plate	Assorted (B,G,R,V,Y)	Clear	10 plates/PK
23A00U729	96-Well Full-Skirt 0.1 mL PCR Plate	Clear	White	10 plates/PK
23A00U730	96-Well Full-Skirt 0.1 mL PCR Plate, pre-barcoded	Clear	Clear	10 plates/PK
23A00U731	96-Well Full-Skirt 0.1 mL PCR Plate, pre-barcoded	Clear	White	10 plates/PK
96-Well 0.2 mL Semi-Skirt Plate				
23A00U732	96-Well Semi-Skirt 0.2 mL PCR Plate	Clear	Clear	10 plates/PK
23A00U733	96-Well Semi-Skirt 0.2 mL PCR Plate	Blue	Clear	10 plates/PK
23A00U734	96-Well Semi-Skirt 0.2 mL PCR Plate	Green	Clear	10 plates/PK
23A00U735	96-Well Semi-Skirt 0.2 mL PCR Plate	Red	Clear	10 plates/PK
23A00U736	96-Well Semi-Skirt 0.2 mL PCR Plate	Violet	Clear	10 plates/PK
23A00U737	96-Well Semi-Skirt 0.2 mL PCR Plate	Yellow	Clear	10 plates/PK
23A00U738	96-Well Semi-Skirt 0.2 mL PCR Plate	Assorted (B,G,R,V,Y)	Clear	10 plates/PK
384-Well PCR Plate, Single Notch				
23A00U739	384-Well Full-Skirt PCR Plate, A24	Clear	Clear	10 plates/PK
23A00U740	384-Well Full-Skirt PCR Plate, A24	Blue	Clear	10 plates/PK
23A00U741	384-Well Full-Skirt PCR Plate, A24	Green	Clear	10 plates/PK
23A00U742	384-Well Full-Skirt PCR Plate, A24	Red	Clear	10 plates/PK
23A00U743	384-Well Full-Skirt PCR Plate, A24	Violet	Clear	10 plates/PK
23A00U744	384-Well Full-Skirt PCR Plate, A24	Yellow	Clear	10 plates/PK
23A00U745	384-Well Full-Skirt PCR Plate, A24	Assorted (B,G,R,V,Y)	Clear	10 plates/PK
23A00U746	384-Well Full-Skirt PCR Plate, A24	Clear	White	10 plates/PK
23A00U747	384-Well Full-Skirt PCR Plate, A24, pre-barcoded	Clear	Clear	10 plates/PK
23A00U748	384-Well Full-Skirt PCR Plate, A24, pre-barcoded	Clear	White	10 plates/PK
384-Well PCR Plate, Dual-Notch				
23A00X250	384-Well Full-Skirt PCR Plate, A24, P24	Clear	Clear	10 plates/PK
23A00U749	384-Well Full-Skirt PCR Plate, A24, P24, pre-barcoded	Clear	Clear	10 plates/PK

Amplifit™

PCR Selector Guide

● Best fit

● Also fits

PCR Plates

Cat No.	Volume	Plate Description	Color	Notch	Quantity	96-well	7300, 7500 ProFlex M
1148A38 1149K04	0.2 mL	96-Well No Skirt, Standard	Clear	A12	10 Plates 25 Plates		
1148A47	0.1 mL	96-Well No Skirt, Low-Profile	Clear	H12	20 Plates		
1148A58 1139Y45	0.2 mL	96-Well Semi-Skirt, ABI-Type	Clear	A12	10 Plates 25 Plates	●	●
1148A69 1149K06	0.2 mL	96-Well Semi-Skirt, ABI®-Type	Clear	A12	10 Plates 25 Plates	●	●
1148A73	0.1 mL	96-Well Semi-Skirt, Low Profile, Raised Sides, Fits ABI Fast® Cyclers	Clear	A1	10 Plates		
1139Y46 1149K03	0.2 mL	96-Well Semi-Skirt, Straight Side	Clear	A12	50 Plates 25 Plates	●	●
1139Y51	0.1 mL	96-Well Semi-Skirt, Low Profile, LightCycler® Compatible	White	H12	10 Plates		
1148A98 1149K05	0.1 mL	96-Well Full Skirt, Low-Profile	Clear	A12	10 Plates 25 Plates		
1148B05	0.1 mL	96-Well Full Skirt, Low-Profile, Bio-Rad® Compatible	White	A12	10 Plates		
1148A95 1148A96	30 µL	384-Well Full Skirt, ABI-Type	Clear	A24	10 Plates 25 Plates		
1148A91	30 µL	384-Well Full Skirt, Roche®-Type	Clear	A24, P24	10 Plates		

RigiFrame™ Rigid PCR Plates

Cat No.	Volume	Description	Color (Frame, Well)	Notch	Quantity	96-well
23A00U722 ^{1,2}	0.1 mL	96-Well Full-Skirt	Clear, Clear	A12	10 Plates	
23A00U729 ¹	0.1 mL	96-Well Full-Skirt	Clear, White	A12	10 Plates	
23A00U732 ²	0.2 mL	96-Well Semi-Skirt	Clear, Clear	A12	10 Plates	● ●
23A00U739 ^{1,2}	30 µL	384-Well Full-Skirt	Clear, Clear	A24	10 Plates	
23A00U746 ¹	30 µL	384-Well Full-Skirt	Clear, White	A24	10 Plates	
23A00X250 ¹	30 µL	384-Well Full-Skirt	Clear, Clear	A24, P24	10 Plates	

¹ Available with barcoding.

² Assorted color frames available - see p. 9.

Plate Sealing Options - Strip Caps

Item #	Description	Quantity
1149Z34	8-Strip Optically-Clear Flat Caps	125/PK
1149Z13	8-Strip Dome Caps	125/PK
1149Z35	12-Strip Optically-Clear Flat Caps	80/PK
1149Z20	12-Strip Dome Caps	80/PK

**Don't see your
instrument?
Check here.**



No Skirt, Standard
1149K04, 1148A38



No Skirt, Low-Profile
1148A47



Half Skirt, ABI-Type
1148A58, 1139Y45



Half Skirt, ABI-Type
Raised Rim
1148A69, 1149K06



Half Skirt, ABI Fast
1148A73

AB applied biosystems™

Roche

BIO-RAD

eppendorf

Agilent analytikjena

Applied Biosystems	Roche	BIO-RAD	eppendorf	Agilent	analytikjena
MiniAmp™, SimpliAmp™, Veriti™, MiniAmp Plus	PTC Tempo 96, 200, 220, 225	IQ™ 4, IQ™ 5, MyIQ, MyIQ2	Mastercycler®	Stratagene Mx series, SureCycler 880	Analitik-Jena qTower / Biomtra and TeAdvanced
GeneAmp 9700	iCycler®, MyCycler	C1000 / S1000	Mastercycler® Gradient	Agilent AriaMX	Analitik-Jena Biomtra TOne
QuantStudio™ 3, 5, 6, 6 Pro, 7, 7 Pro, 12K, ViiA™ 7900HT, 7500 Fast®	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® ep / Pro 384	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
GeneAmp 9800	PTC Tempo 96, 200, 220, 225	CFX 384	Mastercycler® X50	Agilent AriaMX	Analitik-Jena Biomtra TOne
StepOnePlus™	iCycler®, MyCycler	T100	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
QuantStudio™ 3, 5, 6, 7, 12K, ViiA 7, 7900HT	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
QuantStudio™ 5, 6 Pro, 7, 7 Pro, 7900HT	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne

Applied Biosystems	Roche	BIO-RAD	eppendorf	Agilent	analytikjena
MiniAmp™, SimpliAmp™, Veriti™, MiniAmp Plus	PTC Tempo 96, 200, 220, 225	IQ™ 4, IQ™ 5, MyIQ, MyIQ2	Mastercycler®	Stratagene Mx series, SureCycler 880	Analitik-Jena qTower / Biomtra and TeAdvanced
GeneAmp 9700	iCycler®, MyCycler	C1000 / S1000	Mastercycler® Gradient	Agilent AriaMX	Analitik-Jena Biomtra TOne
QuantStudio™ 3, 5, 6, 6 Pro, 7, 7 Pro, 12K, ViiA™ 7900HT, 7500 Fast®	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® ep / Pro 384	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
GeneAmp 9800	PTC Tempo 96, 200, 220, 225	CFX 384	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
StepOnePlus™	iCycler®, MyCycler	T100	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
QuantStudio™ 3, 5, 6, 7, 12K, ViiA 7, 7900HT	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne
QuantStudio™ 5, 6 Pro, 7, 7 Pro, 7900HT	LightCycler®	CFX 96 (Connect and Touch)	Mastercycler® X50	Stratagene Mx series, SureCycler 880	Analitik-Jena Biomtra TOne



Half Skirt, Straight Side
1149K03, 1139Y46



Half Skirt, LightCycler®
1139Y51



Full Skirt, Low-Profile
1149K05, 1148A98



Full Skirt, One-Notch
1148A96, 1148A95



Full Skirt, Two-Notch
1148A91

Plate Sealing Options - Film, Foil, & Mat

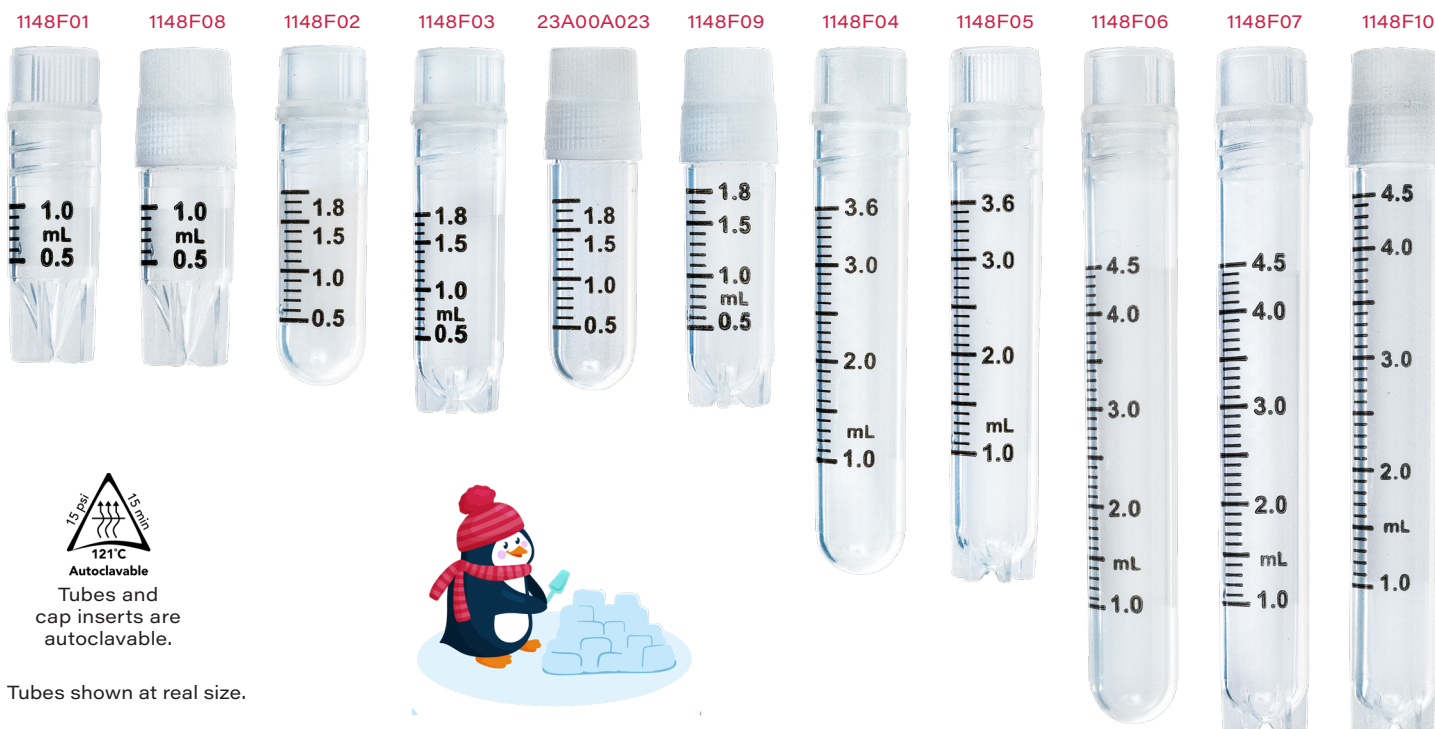
Item #	Description	Quantity
1148B09	Real-Time Sealing Film	100/PK
1148B11	PCR Sealing Film	100/PK
1148B13	Pierceable Aluminum Foil	100/PK
1148B07	Silicone Sealing Mat	5/PK



CryoFrost™

Cryogenic Vials

- Ultra-pure polypropylene meets FDA 21 CFR 177.1520 & USP Class VI.
- High-contrast, black 100 µL graduations are bold and easy to read.
- Large white writing area on all tubes.
- Optimized for vapor-phase liquid nitrogen storage. **Not suitable for immersion in liquid nitrogen.**
- Available with round base or self-standing Stargrip™ base.
- Temperature range: -196°C to 121°C.
- **Sterile and certified free of detectable DNase, RNase, DNA, PCR inhibitors, pyrogens & endotoxins.**



Tubes and cap inserts are autoclavable.



Tubes shown at real size.

Cryovials with Internally-Threaded Caps

- Polypropylene cap has silicone rubber O-ring for a secure, leakproof seal.
- Maximize tube storage within racks, boxes, and canes.

Item #	Volume	Base	Packaging
1148F01	1.0 mL	Stargrip	100/unit, 10 units/case
1148F02	1.8 mL	Round	100/unit, 10 units/case
1148F03	1.8 mL	Stargrip	100/unit, 10 units/case
1148F04	3.6 mL	Round	100/unit, 10 units/case
1148F05	3.6 mL	Stargrip	100/unit, 10 units/case
1148F06	4.5 mL	Round	100/unit, 10 units/case
1148F07	4.5 mL	Stargrip	100/unit, 10 units/case



Resealable, Stand-Up Packaging is clean and convenient.

Cryovials with Externally-Threaded Caps

- HDPE cap has secure, lip-seal feature so no O-ring is necessary.
- External threads reduce contamination and cross contamination potential.

Item #	Volume	Base	Packaging
1148F08	1.0 mL	Stargrip	100/unit, 10 units/case
23A00A023	1.8 mL	Round	100/unit, 10 units/case
1148F09	1.8 mL	Stargrip	100/unit, 10 units/case
1148F10	4.5 mL	Stargrip	100/unit, 10 units/case

Cap Inserts



- Colorful cap inserts facilitate organization
- Packaging: 500/unit, 4 units/case

Item #	Color	Item #	Color	Item #	Color
1148D90	Blue	1148D94	Violet	1148D98	Gray
1148D91	Green	1148D95	Yellow	1148D99	Pink
1148D92	Orange	1148D96	Brown	1148F00	White
1148D93	Red	1148D97	Assorted		



GripRack™

- **Ribbed Wells:** Ribs inside the wells enable tubes with Stargrip™ bases easy one-handed opening and closing.
- **No-Slip Base:** Rubber no-slip grips on the base hold the rack securely on the benchtop.
- **Clear Labeling:** High-contrast alphanumeric indexing for fast sample identification.
- Temperature range: -80°C to 121°C.



Item #	Description	Color	Packaging
1148F12	40-Place GripRack	White/Gray	20 racks/case

Polycarbonate Storage Racks

- Tough, durable polycarbonate construction prevents warping.
- Drains and vents prevent pressure build-up.
- Temperature range: -196°C to 121°C.
- Crystal clear lid for sample visibility.
- High-contrast alphanumeric indexing.
- Max tube dimensions:
 - 1148D71, 1148D77, and 1148D89: 12 x 49 mm.
 - 1148D83: 12 x 90 mm.



1148D77 shown in assorted colors

Item #	Description	Holds Tube Sizes	Format	Dimensions	Packaging
1148D71	25-Place Rack, Assorted Colors	1.0, 1.8 mL Tubes	5 x 5	76 x 76 x 54 mm	5/unit, 4 units/case
1148D77	81-Place Rack, Assorted Colors	1.0, 1.8 mL Tubes	9 x 9	133 x 133 x 54 mm	5/unit, 4 units/case
1148D83	81-Place Rack, Assorted Colors	3.6, 4.5 mL Tubes	9 x 9	133 x 133 x 95 mm	5/unit, 4 units/case
1148D89	100-Place Rack, Assorted Colors	1.0, 1.8 mL Tubes	10 x 10	133 x 133 x 54 mm	5/unit, 4 units/case

Posi-Lock

Posi-Lock Microcentrifuge Tubes

- Crystal-clear polymer facilitates visualization of samples
- Rated to 20,000 x G (25,000 x G for 5 mL tubes)
- Graduations at every 100 μ L for easy volume estimation (250 μ L for 5 mL tubes)
- 2 cap styles to suit your preference
- Temperature range: -80°C to +121°C
- Certified free of detectable RNase, DNase, DNA, PCR inhibitors, and tested pyrogen-free. Sterile product is certified pyrogen-free.

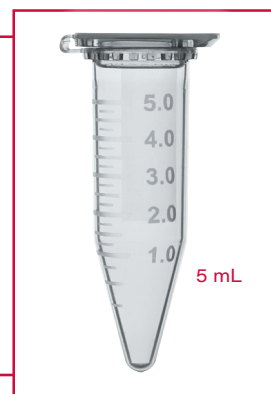
**LOW-RETENTION
OPTIONS**

Large caps
are easiest to open
and close

Small caps
are ideal for working
in racks



Item #	Volume	Cap Type	Description	Color	Quantity
1149J99			Boil-proof Microcentrifuge Tubes	Clear	1000/PK
1149X60	0.6 mL	Small	Low-Retention , Boil-proof Microcentrifuge Tubes	Clear	500/PK
1149X59			Boil-proof Microcentrifuge Tubes	Assorted	1000/PK
1149X63			Boil-proof Microcentrifuge Tubes	Clear	500/PK
1149X83		Small	Boil-proof Microcentrifuge Tubes, Sterile	Clear	250/PK
1149X75			Low-Retention , Boil-proof Microcentrifuge Tubes	Clear	250/PK
1149K12	1.7 mL		Boil-proof Microcentrifuge Tubes	Assorted	500/PK
1149K01			Boil-proof Microcentrifuge Tubes	Clear	500/PK
1138W14		Large	Boil-proof Microcentrifuge Tubes, Sterile	Clear	500/PK
1149X91			Boil-resistant Microcentrifuge Tubes	Assorted	500/PK
1149K02			Boil-proof Microcentrifuge Tubes	Clear	500/PK
1149Y01	2.0 mL	Small	Low-Retention , Boil-proof Microcentrifuge Tubes	Clear	250/PK
1149Y00			Boil-proof Microcentrifuge Tubes	Assorted	500/PK
1149Y05	5.0 mL		Boil-proof Microcentrifuge Tubes	Clear	100/PK
1149Y06		Large	Boil-proof Microcentrifuge Tubes	Assorted	50/PK



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labForce

Laboratory Consumables



Pipette Tips



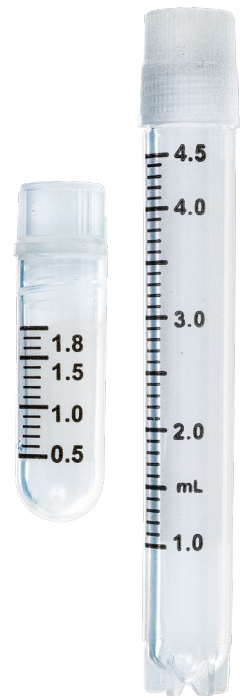
PCR Products



Microcentrifuge Tubes



Cryogenic Vials



Contact your Thomas Scientific Representative

