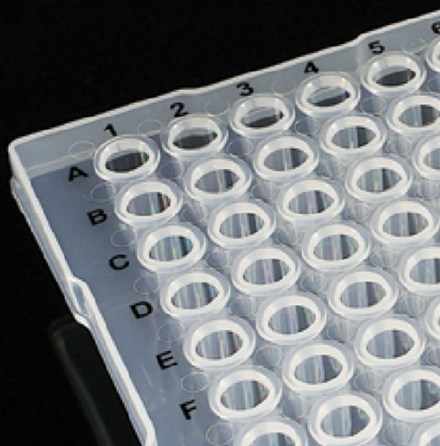




Real Time and Standard PCR Products



Purity Assured

Certified free from RNase DNase, DNA, & PCR inhibitors, also endotoxin-free.

Certificate of Assurance

Sterile product certified free from RNase, DNase, DNA, PCR inhibitors and endotoxins.

PCR Tubes & Plates



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Cryogenic Tubes

Cry*Freeze



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Screw Cap Microtubes

SureSea



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Flipper Racks

Flipper



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Centrifuge Tubes

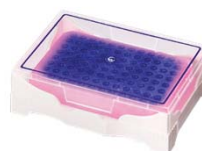
Pirouet



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IsoFreeze Racks

IsoFreeze



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labgene labware
Innovative solutions for your lab

The UltraFlux Story

UltraFlux® PCR Consumables have been a laboratory staple around the world for more than 20 years. Beginning with a patent granted for the design of SnapStrip® tubes with angularly attached caps, the UltraFlux line has been continuously innovated and improved over the past two decades to provide reliable results and tremendous value.

Advantages of UltraFlux and SnapStrip Tubes:

Angular Cap Attachment

- Angularly attached caps on UltraFlux® i and SnapStrip® tubes prevent cap lids and hinges from interfering with each other, allowing for easier operation in an SBS format rack.

Ultra-Thin Walls

- Ultra-thin walls ensure efficient thermal transfer and maximum yield, yet are strong enough to prevent crushing.

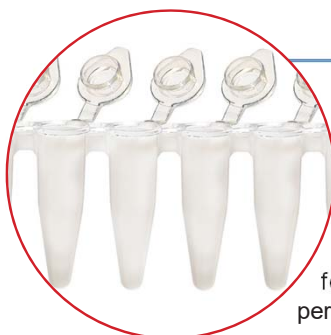
Tube Color and Clarity

- Clear tubes provide high clarity for visualizing contents.
- White tubes are available with optically-clear caps, thanks to proprietary two-material manufacturing. The white wells offer enhanced fluorescence reflection and the optically-clear caps ensure that the fluorescence signal is passed through unaffected, creating the perfect environment for consistent and reliable qPCR performance.

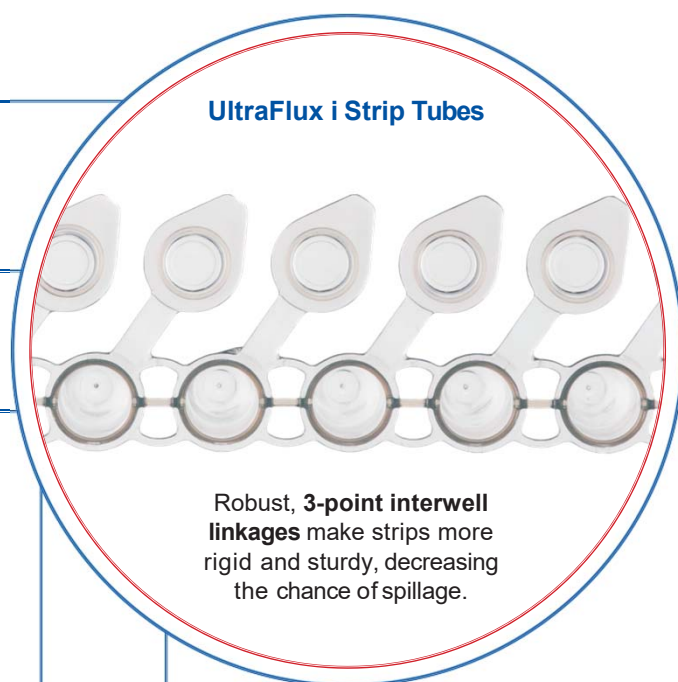


Optically-clear caps ensure that the fluorescence signal is passed through uninhibited.

White tubes offer enhanced fluorescence reflection.



Unique **two-material manufacturing** creates the perfect environment for consistent, reliable qPCR performance.



UltraFlux i Strip Tubes

Robust, **3-point interwell linkages** make strips more rigid and sturdy, decreasing the chance of spillage.



SnapStrip single interwell linkage makes strips easy to split into smaller sections.

UltraFlux PCR Strip Tubes & Strip Caps

UltraFlux®i

- Robust interwell 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 SBSformat 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 DNase, RNase, DNA, and PCR inhibitors.

Item #	Tube Description	Cap Description	Tube Color	Packaging
LC386	0.2 mL Strip of 8	Flat, Optically Clear	Clear	120 strips/unit, 10 units/case
LC394	0.1 mL Low Profile*, Strip of 8	Flat, Optically Clear	Clear	120 strips/unit 10 units/case
LC395	0.1 mL Low Profile*, Strip of 8	Flat, Optically Clear	White	120 strips/unit 10 units/case

*Fast® Cycloer and Lightcycloer®compatible.



LC386



LC394

SnapStrip®

- Customizable strips easily split into smaller sections.
- Angularly attached caps prevent lids and hinges from interfering with each other, allowing for easier operation in an SBSformat rack.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

Item #	Tube Size	Cap Description	Tube Color	Packaging
LC377	0.2 mL Strip of 8	Dome, Clear	Clear	120 strips/unit, 10 units/case
LC384	0.2 mL Strip of 8	Flat, Optically Clear	Clear	120 strips/unit, 10 units/case
LC385	0.1 mL Low-Profile	Flat, Optically-Clear	Clear	120 strips/unit, 10 units/case



LC377



LC384

UltraFlux®z

- Strips of hinged attached caps prevent accidents common with separate caps.
- Optically-clear, flat caps for qPCR.
- Uniform thin walls.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

Item #	Tube Size	Cap Description	Tube Color	Packaging
LC369	0.2 mL Strip of 8	Flat, Optically Clear	Clear	125 strips/unit, 10 units/case
LC376			White	



LC369

LightCycloer is a registered trademark of Roche Diagnostic, GmbH. Fast is a trademark of Applied Biosystems.



LC310



LC348



LC318



LC307



LC286



LC308



LC293



LC344



LC335



LC350



LC346



LC336

UltraFlux PCR Strip Tubes & Strip Caps

Strip Tubes

Item #	Tube Size	Strip Description	Color	Packaging
LC310	0.2 mL	Strips of 8 Tubes	Clear	125 strips/unit, 10 units/case
LC348	0.1 mL*	Strips of 8 Tubes	Clear	125 strips/unit, 10 units/case
LC318	0.2 mL	Strips of 12 Tubes	Clear	80 strips/unit, 10 units/case

*Fast® Cyclor and Lightcycler® compatible.

Strip Caps (Strip caps also fit UltraFlux PCR plates.)

Item #	Caps	Strip Description	Color	Packaging
LC307	Flat	Strips of 8 Caps	Clear	125 strips/unit, 10 units/case
LC286	Dome	Strips of 8 Caps	Clear	125 strips/unit, 10 units/case
LC308	Flat	Strips of 12 Caps	Clear	80 strips/unit, 10 units/case
LC293	Dome	Strips of 12 Caps	Clear	80 strips/unit, 10 units/case

Combination Packs: Strip Tubes with Strip Caps

Item #	Tube Size	Description	Color	Packaging
LC344	0.2 mL	8-Strip Tubes and Clear, Flat Caps	Clear	125 strips/unit, 10 units/case
LC335	0.2 mL	8-Strip Tubes and Clear, Dome Caps	Clear	125 strips/unit, 10 units/case
LC350	0.1 mL	8-Strip Tubes and Clear, Flat Caps	Clear	125 strips/unit, 10 units/case
LC346	0.2 mL	12-Strip Tubes and Clear, Flat Caps	Clear	80 strips/unit, 10 units/case
LC336	0.2 mL	12-Strip Tubes and Clear, Dome Caps	Clear	80 strips/unit, 10 units/case

UltraFlux PCR Tubes

Individual PCR Tubes

- Individual 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, assorted, or specific colors.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.



Item #	Tube Size	Cap Description	Tube & Cap Color	Packaging
LC353	0.2 mL	Dome Cap	Clear	1000/unit, 10 units/case
LC360	0.2 mL	Frosted Flat Cap	Clear	1000/unit, 10 units/case
LC367	0.2 mL	Clear Flat Cap	Clear	1000/unit, 10 units/case
LC396	0.5 mL	Dome Cap	Clear	1000/unit, 10 units/case
LC397	0.5 mL	Frosted Flat Cap	Clear	1000/unit, 10 units/case



Clear cap on
LC360 is ideal
for labeling.

Rotor-Gene Corbett-Type Strip Tubes and Caps

- Compatible with QIAGEN®/Corbett Rotor-Gene® Instruments.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

Item #	Tube Size	Description	Color	Packaging
3001-002	0.1 mL	4 Tube Strip and 4 Cap Strip	Clear	250 strips/unit, 10 units/case



IsoFreeze®

See page 25 for IsoFreeze qPCR.
A specially-designed rack for Corbett-Type
strip tubes and individual 0.2 and 0.5 mL
PCR tubes. Item # LC670



Qiagen and Rotor-Gene are registered trademarks of the Qiagen Group.

UltraFlux PCR Plates

UltraFlux PCR Plates are available in a wide variety of styles to fit most thermal cyclers on the market. Each is designed to meet or exceed the specifications and performance of plates supplied by the original equipment manufacturer.



Advantages of UltraFlux Plates:

Broad compatibility with popular thermal cyclers

- Online plate selector guide makes it quick and easy to find your ideal plate.

Ultra-thin, uniform wells

- Optimal heat transfer and higher reaction efficiency.

A variety of plate sealing options

- Film, foil, silicone mats, and strip caps prevent evaporation.

UltraFlux Plate Features

High-contrast, black alphanumeric indexing.

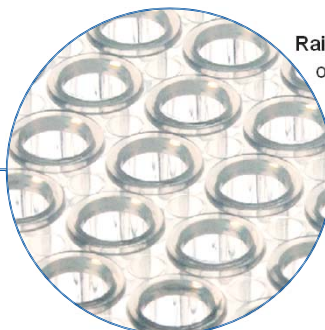


Ultra clear wells for easy sample visualization.



Custom bar-coding available.

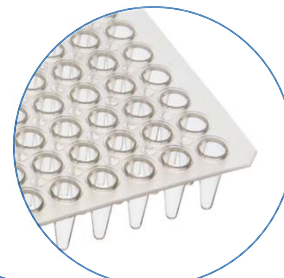
Raised wells ensure optimal sealing to prevent evaporation.



Skirt options



Full-Skirted



Non-Skirted



Semi-Skirted

3420-00

UltraFlux PCR Plates

- Broad thermal cycler compatibility.
- High-contrast, black alphanumeric indexing for easy well identification.
- Crystal-clear wells to easily verify sample volume.
- 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.
- Bar-coded semi-skirted and full-skirted plates available.
- Manufactured from high-clarity, ultra-pure polypropylene (meets FDA 21 CFR 177.1520 & USP Class VI).
- Non-skirted item 3410-00 is also available in 24 and 48 well size options. Please inquire for more details.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

Non-Skirted Plates

Item #	Number of Wells	Type	Corner	Color	Packaging
LC404	96	Standard	A12	Clear	10/unit, 10 units/case
LC412	96	Standard, Cuttable	A12	Clear	10/unit, 10 units/case
LC413	96	Low Profile	H12	Clear	20/unit, 5 units/case



LC404

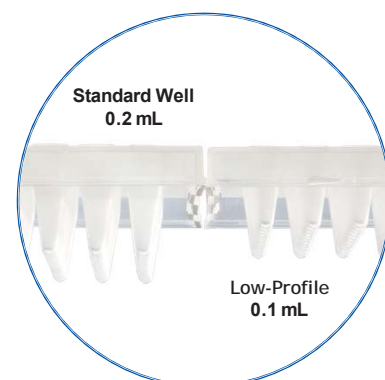


LC413

Compatibility Quick Reference

Thermal Cycler	0.1 mL Low Profile		0.2 mL Standard		384-Well
	Strip Tube	Plate	Strip Tube	Plate	Plate
ABI®	LC394	LC385	LC386	LC435	LC443
Bio-Rad®	LC394	LC445	LC386	LC454	LC443
Roche LightCycler®	LC395	LC464	--	--	LC440

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.





LC424
LC433



LC435



LC437



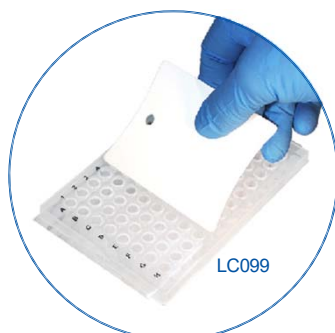
LC464



LC445



LC439



LC099

UltraFlux PCR Plates



UltraFlux strip caps are an excellent option for plate sealing. See page 5.

Semi-Skirted Plates

Item #	Bar-Coded Item #	Number of Wells	Type	Corner	Colors	Packaging
LC424	LC432	96	0.2 mL, ABI®-Type	A12	Clear / White	10/unit, 10 units/case
LC433	n/a	96	0.1 mL Low-Profile, ABI®-Type	A12	Clear	
LC435	LC436	96	0.2 mL Raised Rim, ABI®-Type	A12	Clear / White	
LC437	n/a	96	0.1 mL Low-Profile, FAST® Type	A1	Clear / White	
LC454	LC462	96	0.2 mL Straight Side	A12	Clear / White	
LC463	LC465	96	0.1 mL Low-Profile, LightCycler® Type, White	H12	Clear / White	

Full-Skirted Plates

Item #	Bar-Coded Item #	Number of Wells	Type	Corner	Colors	Packaging
LC445	LC453	96	0.1 mL Low-Profile	A12	Clear / White	10/unit, 10 units/case
LC439	LC441	384	Roche-Type, Two-Notch	A24 & P24	Clear / White	
LC443	n/a	384	ABI-Type, One-Notch	A24	Clear / White	

Sealing Film and Foil

Other options available. Please inquire.

Item #	Seal Type	Dimensions	Packaging
3651-00	UltraFlux RT Pressure Released Film	139.7 x 78.6 mm (113.0 without Tabs)	1 applicator
LC099	UltraFlux Applicator	For a Smooth, Secure Seal	

LightCycler is a registered trademark of Roche Diagnostic, GmbH. Fast is a trademark of Applied Biosystems.



DuraTubes™ High Impact Tube & Cap Assemblies

Homogenization calls for a tube that is built to withstand the rigors of lysing applications. So when you need to be sure about the tube you select for lysing and bead beating, choose the brand that has the experience, innovation and reliability of an industry leader: SureSeal DuraTubes from SSIBio.

Advantages of SureSeal DuraTubes:

- Manufactured from a proprietary resin that is specially-formulated for bead-beating applications.
- Shatter-resistant—they're up to the task!
- Secure O-ring seal ensures a tight seal.
- Ultra-pure polypropylene meets FDA 21 CFR 177.1520.
- Graduated every 100 μ L for easy volume estimation.
- Self-standing skirted base.
- Certified free of detectable RNase, DNase, DNA, and PCRinhibitors.

DuraTubes & Caps

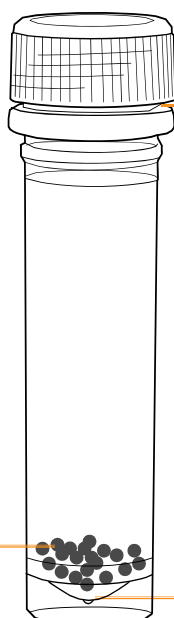
Item #	Description	Packaging
LC273	2.0 mL Graduated DuraTubes & Caps, Assembled	200/unit 5 units/case



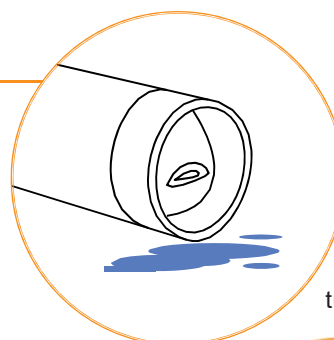
Don't risk your research to a regular microtube!



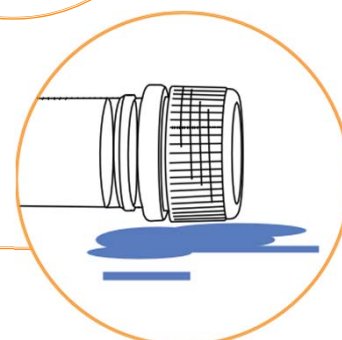
Standard tubes don't hold up under homogenization.



The proprietary polymer used in DuraTubes allows them to withstand more than twice as much homogenization time in bead beating applications, compared to other popular screw cap microtubes.



Breakage can occur at the bottom of the tube or near the cap.



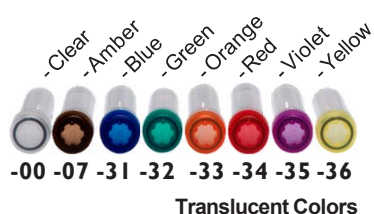
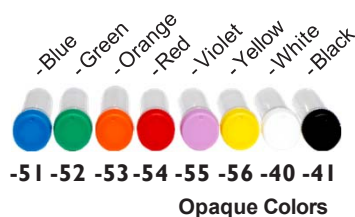
Risk of sample loss.

Standard Screw Caps

- Easy ¾ turn to open and close.
- Synthetic O-ring, except 2003 and 2004.
- Available with and without attached tether.
- 2003 and 2004 accommodate colorful cap inserts to facilitate easy branding or organization.

Item #	Description	Colors	Packaging
LC188	Standard Cap	-40, -41, -51, -52, -53, -54, -55, -56, -59, -00, -31, -32, -33, -34, -35, -36, -07, -09 ¹	500/unit, 10 units/case
LC206	Standard Cap with Tether	-51, -52, -53, -54, -55, -56, -59 ¹ , -00, -07	
LC216	Insertable Cap with Silicone O-ring	-40, -51, -52, -53, -54, -55, -56, -59 ¹ , -00	
LC225	Insertable, Tethered Cap with Silicone O-Ring	Clear	
LC181	Cap Inserts	-40, -51, -52, -53, -54, -55, -56, -09 ¹	

Available Cap Colors ¹**Assorted Colors:** Item #'s ending in -59 or -09 include 6 colors: blue, green, red, orange, violet, yellow.



Confidence. Purity. Security.

It's not just a cap to you.

It's confidence—knowing your solutions are sealed in an environment that is pure and secure.



Screw MicroTubes

Graduated



Non-graduated



Ribbed



Amber



- Manufactured from high-clarity, ultra-pure polypropylene (meets FDA 21 CFR 177.1520 & USP Class VI).
- Suitable for a wide range of temperatures—from -196°C to +121°C.
Note: not suitable for immersion in liquid nitrogen.
- Ideal for boiling applications.
- Rated to 20,000 x G.
- Available with or without graduations or ribbing.
- Graduated versions marked at every 100 µL to provide easy sample estimation.
- Skirted or conical bases.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

Clear Tubes, Graduated

Item #	Volume	Description	Packaging
LC248	1.5 mL	Conical Base	500/unit, 10 units/case
LC260	2.0 mL	Conical Base	
LC264	2.0 mL	Skirted Base	

Clear Tubes, Non-Graduated

Item #	Volume	Description	Packaging
LC235	0.5 mL	Skirted Base, Ribbed	500/unit, 10 units/case
LC238	0.5 mL	Conical Base	
LC240	0.5 mL	Skirted Base	
LC244	1.5 mL	Conical Base, Ribbed	
LC245	1.5 mL	Skirted Base, Ribbed	
LC252	1.5 mL	Skirted Base	
LC256	2.0 mL	Conical Base, Ribbed	
LC274	2.0 mL	Skirted Base, Ribbed	

Amber Tubes, Graduated

Item #	Volume	Description	Packaging
LC249	1.5 mL	Conical Base	500/unit, 10 units/case
LC261	2.0 mL	Conical Base	
LC265	2.0 mL	Skirted Base	

Amber Tubes, Non-Graduated

Item #	Volume	Description	Packaging
LC236	0.5 mL	Skirted Base, Ribbed	500/unit, 10 units/case
LC241	0.5 mL	Skirted Base	
LC246	1.5 mL	Skirted Base, Ribbed	
LC253	1.5 mL	Skirted Base	
LC258	2.0 mL	Skirted Base, Ribbed	

Tube & Cap Assemblies, Sterile

- Manufactured from high-clarity, ultra-pure polypropylene (meets FDA 21 CFR 177.1520 & USP Class VI).
- Suitable for a wide range of temperatures—from -196°C to +121°C.
Note: not suitable for immersion in liquid nitrogen.
- Sterile and certified free of detectable DNase, RNase, DNA, PCR inhibitors, and pyrogens.

Sterile Tube & Standard Cap Assemblies

50 assemblies/unit, 50 units/case	0.5 mL Conical Base	0.5 mL Skirted Base	1.5 mL Conical Base	1.5 mL Skirted Base	2.0 mL Conical Base	2.0 mL Skirted Base
Tubes + Standard Caps (LC188)						
Non-Graduated	LC239	LC242		LC254		
Graduated			LC250		LC262	LC266
Ribbed		LC237		LC247		LC259
Tubes + Standard Tethered Caps (LC206)						
Non-Graduated		LC243		LC255		
Graduated			LC251		LC263	LC267
Ribbed						

¹Minimum order applies. Additional options available. Please inquire.



LC225



LC188



LC206



LC226



See page 26 for
80-Place fraction-style racks.



Microcentrifuge Tubes

Pirouet Centrifuge Tubes are the trusted choice in laboratories all around the world, for applications ranging from 0.5 mL to 50 mL. It all begins with a proprietary, ultra-pure resin that ensures optimal clarity, purity and strength. Plus, over two decades of research and innovation have been instilled into these tubes, resulting in a product that performs to expectation and provides tremendous value.

Advantages of Pirouet Microcentrifuge Tubes

Clarity.

Ultra-Pure, virgin polypropylene delivers crystal clarity and improves visibility.

Graduations.

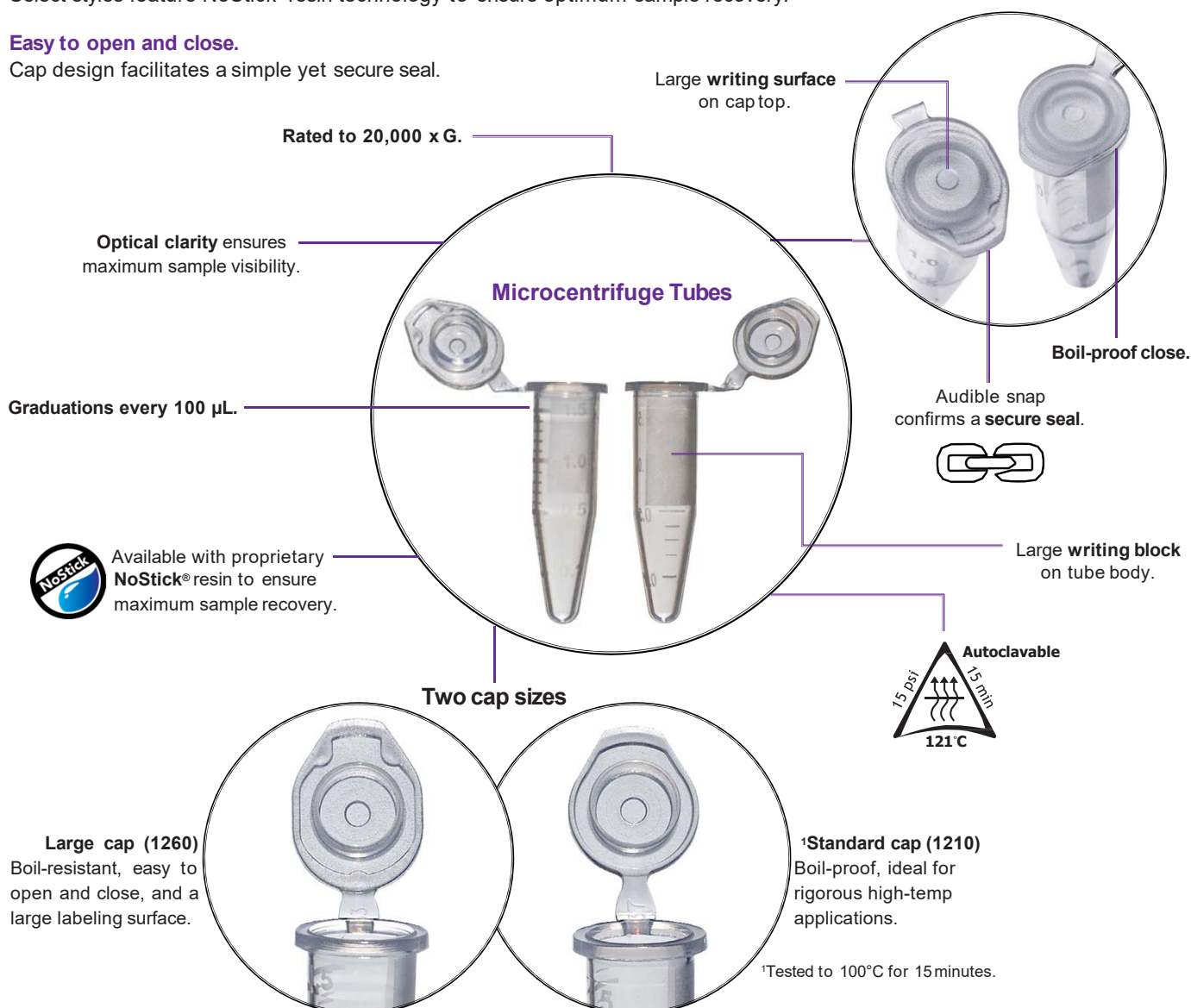
High-contrast graduations facilitate more accurate volume estimation.

Sample Recovery.

Select styles feature NoStick® resin technology to ensure optimum sample recovery.

Easy to open and close.

Cap design facilitates a simple yet secure seal.





Pirouet™ 0.5, 1.5, and 2 mL Microcentrifuge Tubes

- 2 cap styles to suit customer preference:
 - Boil-proof caps are ideal for rigorous high-temp applications and tight storage conditions.
 - Large, boil-resistant caps are easy to open & close, with a large labeling surface.
- Crystal-clear polymer facilitates visualization of samples.
- Rated to 20,000 x G.
- Graduations at every 100 µL for easy volume estimation.
- Available with proprietary NoStick resin to ensure maximum sample recovery.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors. Sterile tubes are also pyrogen-free.

Graduated Microcentrifuge Tubes

Item #	Max Fill	Description	Colors	Packaging
LC107	0.65 mL	0.5 mL Boil-Proof Cap	Clear	1000/unit, 10 units/case
LC127	1.7 mL	1.5 mL Boil-Proof Cap	Clear	500/unit, 10 units/case
LC155	1.7 mL	1.5 mL Boil-Resistant Large Cap	Clear	500/unit, 10 units/case
LC164	2.0 mL	2.0 mL Boil-Proof Cap	Clear	500/unit, 10 units/case

LC107
0.65 mL



LC127
1.7 mL



LC155
1.7 mL



Graduated Microcentrifuge Tubes, Sterile

LC118	0.65 mL	0.5 mL Boil-Proof Cap, Sterile	Clear	1000/unit, 10 units/case
LC145	1.7 mL	1.5 mL Boil-Proof Cap, Sterile		500/unit, 10 units/case
LC174	2.0 mL	2.0 mL Boil-Proof Cap, Sterile		500/unit, 10 units/case

NoStick®, Graduated Microcentrifuge Tubes



LC116	0.65 mL	0.5 mL, NoStick, Boil-Proof Cap	Clear	500/unit, 10 units/case
LC136	1.7 mL	1.5 mL, NoStick, Boil-Proof Cap	Clear	250/unit, 10 units/case
LC173	2.0 mL	2.0 mL, NoStick, Boil-Proof Cap	Clear	250/unit, 10 units/case

LC164
2 mL



Tubes

5 mL, 15 mL, & 50 mL Tubes



Pirouet 5 mL Microcentrifuge Tubes

Pirouet 5 mL microcentrifuge tubes are the perfect intermediate volume option between traditional microcentrifuge tubes and 15 mL conical tubes.

- Suitable for all rotors and racks that hold 15 mL conical tubes—no adapters needed.
- Graduated every 200 μ L and 500 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.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors. Sterile tubes are also pyrogen-free.

Item #	Max Fill	Description	Colors	Packaging
LC905	5 mL	Microcentrifuge Tube, Snap Cap	Clear	2 bags of 100 tubes
LC905S	5 mL	Microcentrifuge Tube, Sterile, Snap Cap	Clear	10 bags of 20 tubes
LC905SCS	5 mL	Microcentrifuge Tube, Sterile, Screw Cap, Racks	Clear	10 racks of 50 tubes
LC905RK	5 mL	5 mL Workstation for 30 x 5 mL	Blue	50/unit, 4 units/pack
LC616	n/a	5 mL Flipper Rack	Assorted Colors ²	4 racks/unit, 4 units/case

¹Assorted colors come in 4 individually-packed, stand-up, resealable pouches for easy access and clean storage.

²Assorted Colors: Item #s ending in -09 and -59 include an assortment of 4 colors: blue, green, red, yellow.



15 and 50 mL Centrifuge Tubes, Sterile

- High-clarity, medical-grade polymer.
- Graduations every 1 mL (15 mL tube) or 5 mL (50 mL tube) increments.
- Rated to 15,000 x G.
- Temperature range: -80° to 40°C.
- Sterile and certified free of detectable DNase, RNase, DNA, PCR inhibitors, and pyrogens.

Conical Base Centrifuge Tubes

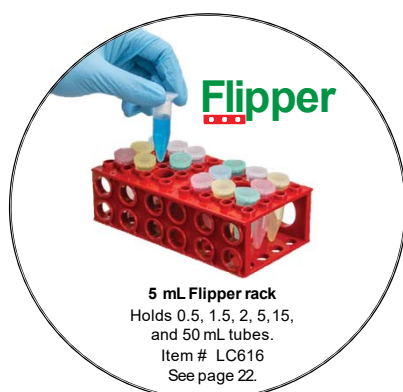
Item #	Description	Packaging
LC274	15 mL Graduated Tube, Sterile	50/unit, 10 units/case
LCCT15R	15 mL Graduated Tube, Sterile	50 / foam rack, 10 racks
LC276	50 mL Graduated Tube, Sterile	50/unit, 10 units/case
LCCT50R	50 mL Graduated Tube, Sterile	25 / foam rack, 20 racks

Skirted Base Centrifuge Tubes

LC278	50 mL Skirted, Graduated Tube, Sterile	50/unit, 10 units/case
-------	--	------------------------



LC905
5 mL



5 mL Flipper rack
Holds 0.5, 1.5, 2, 5, 15,
and 50 mL tubes.
Item # LC616
See page 22.

LCCT15R and
LCCT50R
centrifuge tubes



LC274
15 mL



LC276
50 mL

Tube Accessories



Cap Openers

- Ease fatigue when opening and closing large numbers of microtubes.

Item #	Description	Colors	Packaging
LC104	Cap Openers	Assorted Fluorescent: Blue, Green, Red, Orange, Yellow, Black	100/unit, 10 units/case



LC104

Cap Locks

- Securely seal microcentrifuge tubes against the rigors of boiling.
- Large, easy-to-grip tab permits safe insertion and removal from boiling water and heating blocks.
- Bright colors and writing area facilitate easy identification or organization into types.

Item #	Description	Colors	Packaging
LC100	Cap Lock for 0.5 mL Tubes	Assorted Fluorescent: Blue, Green, Red, Orange, Yellow, Black	100/unit, 10 units/case
LC101	Cap Lock for 1.5 mL or 2.0 mL Tubes		100/unit, 10 units/case



LC100



LC101

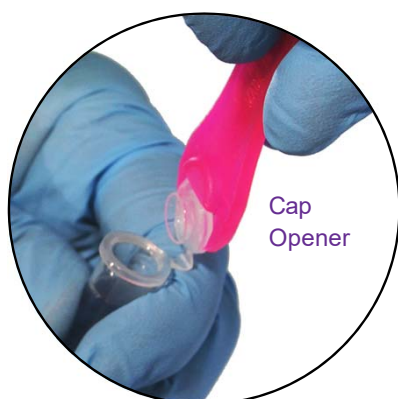
Pestles

- Homogenize cells or resuspend precipitates such as protein or DNA pellets.
- Certified free of detectable DNase, RNase, DNA, and PCR inhibitors.

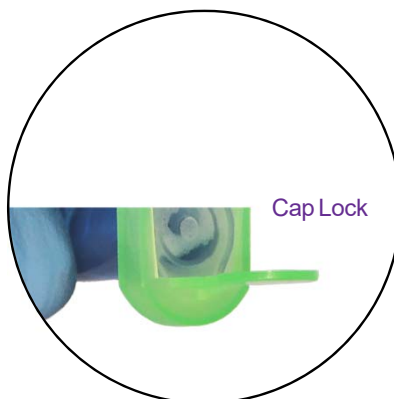
Item #	Description	Colors	Packaging
LC102	Pestles for 0.5 mL Tubes	Assorted Fluorescent: Blue, Green, Red, Orange, Violet	10/unit, 40 units/case
LC103	Pestles for 1.5 mL Tubes		10/unit, 40 units/case



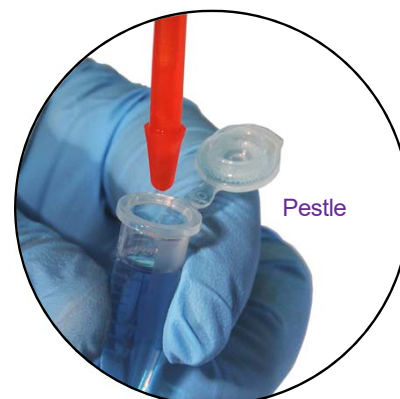
LC102



Cap
Opener



Cap Lock



Pestle



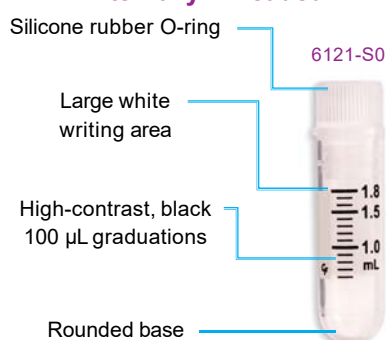
CryoFreeze Tubes and cap inserts are autoclavable.

- Manufactured from high-clarity, ultra-pure polypropylene (meets FDA 21 CFR 177.1520 & USP Class VI).
- Tubes comply with the In Vitro Devices Directive (IVD). **IVD**
- Contrasting black 100 μ L graduations are bold and easy to read.
- Large white writing area on all tubes.
- Optimized for vapor-phase liquid nitrogen storage.
Note: not suitable for immersion in liquid nitrogen.
- Available with round base or self-standing Stargrip™ base.



Resealable, Stand-Up Packaging
is clean and convenient.

Internally-Threaded



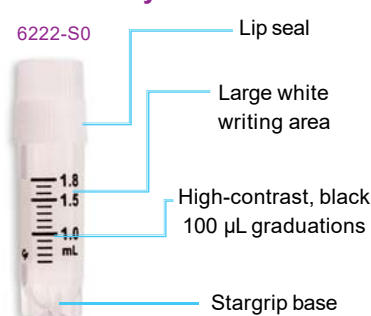
Cryogenic Tubes & Caps

CryoFreeze Tubes with Internally-Threaded Caps

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

Sterile Item #	Volume	Base Type	Packaging
LC706	1.0 mL	Stargrip	50/unit, 10 units/case
LC707	1.8 mL	Round	
LC708	1.8 mL	Stargrip	
LC709	3.6 mL	Round	50/unit, 8 units/case
LC710	3.6 mL	Stargrip	
LC711	4.5 mL	Round	50/unit, 6 units/case
LC712	4.5 mL	Stargrip	

Externally-Threaded



CryoFreeze Tubes 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.
- Presterile.

Sterile Item #	Volume	Base Type	Packaging
LC713	1.0 mL	Stargrip	50/unit, 10 units/case
LC716 ¹	1.8 mL	Round	
LC714	1.8 mL	Stargrip	50/unit, 6 units/case
LC715	4.5 mL	Stargrip	

¹Cap and tube have same outer diameter; ideal for cane storage.



Cap Insert Colors:

- -01 - blue
- -02 - green
- -03 - orange
- -04 - red
- -05 - violet
- -06 - yellow
- -07 - brown
- -09 - assorted
- -OG - gray
- -OP - pink
- -OW - white

Cap Inserts

Item #	Colors	Packaging
LC695 ²	-01, -02, -03, -04, -05, -06, -07, -09, -OG, -OP, -OW	500/unit, 4 units/case

²Fits all caps except LC716.

CryoFreeze Racks

CryoFreeze GripRack™



Clear Labeling

High-contrast alphanumeric indexing for fast sample identification.

Ribbed Wells

Ribs inside the wells enable tubes with Stargrip™ bases to be easily opened or closed with one hand.

No-Slip Base

Rubber no-slip grips on the base hold the rack securely on the benchtop.

Item #	Description	Colors	Packaging
LC548	40 Place CryoFreeze GripRack	White/Gray	5/unit, 4 units/case



CryoFreeze Storage Racks

- Tough, durable polycarbonate construction prevents warping.
- Drains and vents prevent pressure build-up.
- Suitable to -196°C.
- Crystal clear lid for sample visibility.
- Bright, attractive assorted colors.
- High-contrast alphanumeric indexing.
- Max tube dimensions:
 - 5700-19, 5720-19, and 5750-19: 12 x 49 mm.
 - 5730-19: 12 x 90 mm.



Item #	Description	Format	Dimensions	Packaging
LC676 ¹	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
LC682 ¹	81-Place Rack, Assorted Colors (1.0/1.8 mL Tubes)	9 x 9	133 x 133 x 54 mm	
LC688 ¹	81-Place, Deep Rack, Assorted Colors (4.5 mL Tubes)	9 x 9	133 x 133 x 95 mm	
LC694 ¹	100-Place Rack, Assorted Colors (1.0/1.8 mL Tubes)	10 x 10	133 x 133 x 54 mm	

¹Assorted Colors:
Items include 5 colors: blue, green,
red, orange, yellow.



LC694

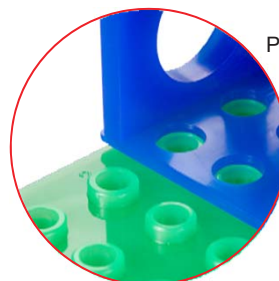


Flipper Racks have been a mainstay of laboratories around the world for more than 25 years. The innovative design of Flipper Racks provides researchers with greater flexibility on the bench without managing multiple racks.

From the basic 4-Way Flipper rack design to the Sliplock and Revolver, researchers are sure to find the ideal Flipper Rack for their lab.

4-Way Flipper® Racks

- Small footprint is perfect for the benchtop or under the hood.
- Suitable for use in ultra-low temperature freezers (-90°).
- Available in standard or interlocking versions.
- Accommodates all popular tube sizes, from 0.5 mL to 50 mL, and 20-25 mm.
- Rugged polypropylene construction.



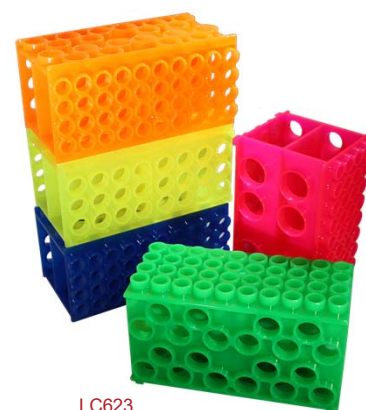
Press the interlocking racks together to form a larger, custom rack.

LC615

Item #	Description	Tube Options	Colors	Packaging
LC615	4-Way Interlock Flipper 171 × 91 × 54 mm	Side 1: 32 x 1.5-2.0 mL Side 2: 32 x 0.5 mL Side 3: 12 x 5 or 15 mL Side 4: 4 x 50 mL	Fluorescent: Blue, Green, Yellow, Orange, Pink	5/unit, 4 units/case
LC616	4-Way Flipper 5 mL 171 x 91 x 54 mm	Side 1: 18 x 5 mL and 32 x 0.5 mL Side 2: 32 x 1.5-2.0 mL Side 3: 12 x 5 or 15 mL Side 4: 4 x 50 mL	Standard: Blue, Green, Red, Yellow	4/unit, 4 units/case
LC623	4-Way Flipper 50 mL 8 x 50 mL Tubes 198 × 114 × 95 mm	Side 1: 8 x 50 mL Side 2: 20 x 20 mm Side 3: 24 x 5 or 15 mL Side 4: 40 x 1.5-2.0 mL	Fluorescent: Blue, Green, Yellow, Orange, Pink	5/unit, 2 units/case
LC629	4-Way Flipper 25 mm 12 x 25 mm Tubes 198 × 114 × 95 mm	Side 1: 12 x 25 mm Side 2: 20 x 20 mm Side 3: 40 x 1.5-2.0 mL Side 4: 24 x 5 or 15 mL	Standard: Blue, Green, Red, Orange, Violet	5 /unit, 2 units/case



LC615



LC623

4-Way Flipper Racks with Tray

- Multi-tube compatibility.
- Four 4-way racks in a convenient tray.
- Each Flipper can be independently oriented.
- 4-way rack can be used either in the tray or independently.
- Standard or fluorescent colors.



Item #	Description	Tube Options	Colors	Packaging
LC606	4-Way Flipper with Tray Fluorescent Colors 243 × 102 × 41 mm	12 x 0.5 mL 9 x 1.5-2.0 mL 6 x 15 mL 2 x 50 mL	Fluorescent: Green, Yellow, Orange, Pink	1 tray/unit, 5 units/case



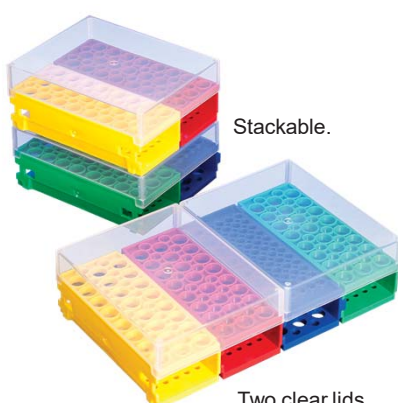
LC606

Racks

Flipper Racks



Slip and lock the racks together.



Stackable.

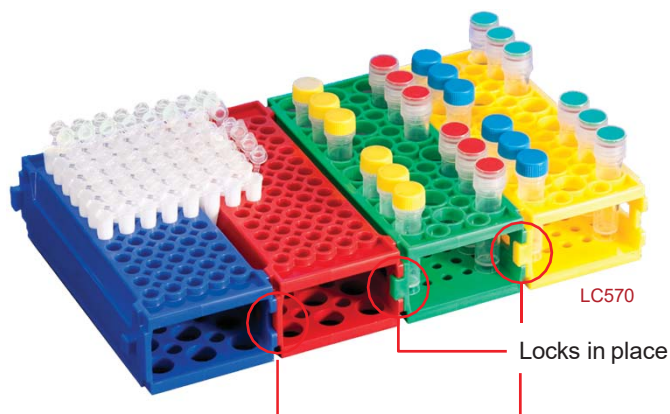
Two clear lids included.



LC608



Revolve to create the perfect workstation.



LC570

Locks in place

Sliplock Flipper

- Expandable mini workstation, includes 4 interchangeable racks and 2 clear lids.
- Capacity:
 - 16 x 0.5 mL tubes per rack.
 - 24 x 1.5/2.0 mL tubes per rack.
 - 60 x 0.1/0.2 mL PCR tubes per rack.
 - 12 x 8-strip or 11 x 12-strip PCR tubes per 2 racks.
 - 1 x non-skirted or semi-skirted 96-well PCR plate per 2 racks.
- Dimensions (L x W x H):
 - 1 rack: 134 x 54 x 35mm
 - 2 racks: 134 x 108 x 35mm (134 x 110 x 58 with lid).
 - 4 racks: 215 x 134 x 35mm (220 x 134 x 58 with lids).
- Temperature range: -80°C to +121°C.
- Rugged polypropylene construction.

Item #	Description	Colors	Packaging
LC570	Sliplock Flipper 4 Racks and 2 Clear Lids	Green, Blue, Red, Yellow	1 workstation/unit, 4 units/case

Revolver Flipper - the ultimate workstation!

- Add or subtract rack units to suit your needs.
- PCR workstation options:
 - 48 x 0.2 mL tubes per block.
 - 6 x 8 tube strips per block.
 - 8 x 12 tube strips per 2 blocks.
 - 1 x non-skirted or semi-skirted 96 well plate per 2 blocks.
- Four rotate-and-lock racks.
- Fast reconfiguration for different tube sizes and types.
- Temp range: -80°C to +121°C.
- Rugged polypropylene construction.

Item #	Dimensions	Tube Options	Colors	Packaging
LC608	Revolver Flipper 257 x 108 x 108 mm	Side 1: 6 x 0.5 mL and 12 x 1.5/2.0 mL Side 2: 8 x 5 or 15 mL Side 3: 2 x 50 mL Side 4: 48 x 0.2 mL	Green, Blue, Red, Yellow	4 rack blocks/unit, 4 units/case



64 Place Flipper (8 x 8 Format)

A great replacement for cardboard or metal freezer racks.

- Side A: 64 x 1.5/2.0 mL.
- Side B: 64 x 0.5 mL.

Item #	Description	Colors	Packaging
LC572	Rack with Clear Lid 132 × 130 × 45 mm	Assorted Fluorescent Colors ● ● ● ● ●	5 racks with lids/unit, 4 units/case



LC572

96 Place Flipper (8 x 12 Format)

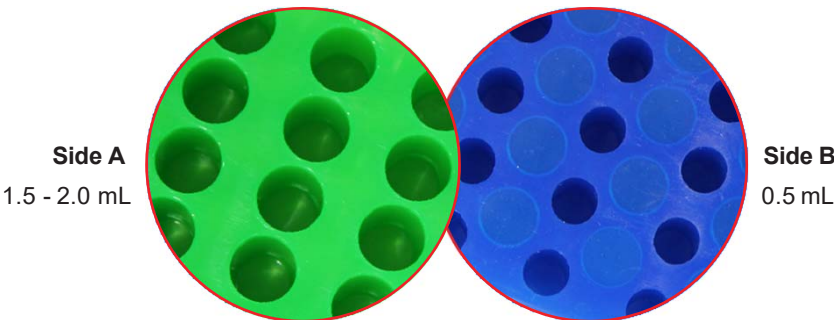
The perfect partner for PCR prep.

- Side A: 96 x 1.5/2.0 mL.
- Side B: 96 x 0.5 mL.

Item #	Description	Colors	Packaging
LC581	Rack with Clear Lid 213 × 118 × 50 mm	Assorted Fluorescent Colors ● ● ● ● ●	5 racks with lids/unit, 2 units/case
LC597	Rack Only 213 × 113 × 27 mm	Assorted Fluorescent Colors ● ● ● ● ●	5 racks/unit, 2 units/case



LC581



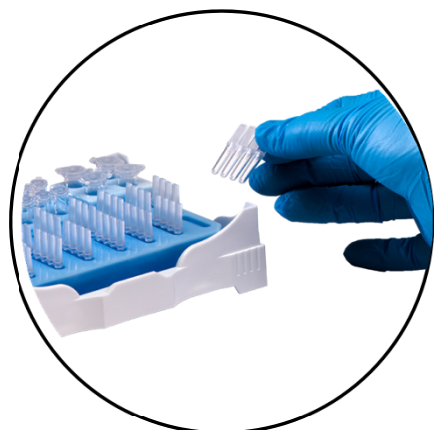
Assorted Fluorescent Colors: Items include 5 colors: blue, green, orange, pink, yellow.



IsoFreeze

IsoFreeze® Color Change Racks

- Maintain a sample temperature of less than 4°C for almost 4 hours (with lid on rack) when used at room temperature.
- Color change material enables you to see how cold your samples are at a glance.
- IsoFreeze color change racks undergo a dramatic change to a contrasting color at 7°C.



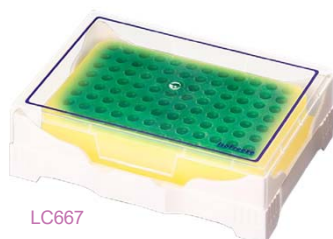
NEW! IsoFreeze qPCR
Specially designed for Qiagen®/Corbett
Rotor-Gene® tubes. See pg. 9 for Corbett Tubes.



LC670

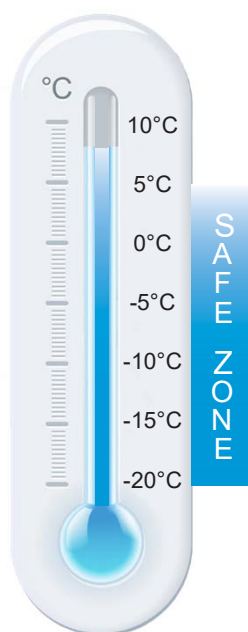


LC666



LC667

qPCR & PCR Solutions



Gradual fade in color
indicates slowly rising sample
temperatures.



Blue rack color indicates safe
sample temperature.

IsoFreeze PCR Racks

- Tube and plate capacity:
 - qPCR: 64 x 0.1 mL Corbett Rotor-Gene tubes, 16 x 0.2 mL tubes or strips, and 4 x 0.5 mL tubes.
 - PCR: 96 x 0.1 and 0.2 mL tubes and strip tubes; plates up to 96-well.
- Dimensions: 141 × 99 × 44 mm.

Item #	Description	Cold to Warm Color Change	Est. Time below 4°C	Packaging
LC670	qPCR Rack	Blue to White	2.5 Hours	2 racks/unit, 5 units/case
LC666	PCR Rack	Purple to Pink	3+ Hours	
LC667	PCR Rack	Green to Yellow	3+ Hours	

IsoFreeze PCR, SBS

- SBS footprint for use with liquid handling equipment.
- Accommodates 96-well PCR plates, strip tubes, or 0.2 mL tubes.
- Rack does not come with lid.

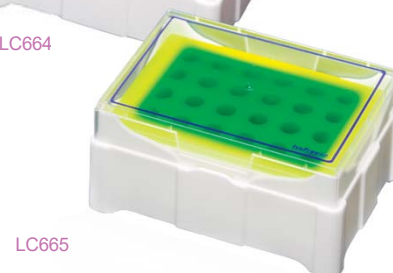
Item #	Description	Cold to Warm Color Change	Estimated Time at 4°C	Packaging
LC668	PCR, SBS Rack	Purple to Pink	2.5 Hours	2/unit, 5 units/case
LC669	PCR, SBS Rack	Green to Yellow	2.5 Hours	2/unit, 5 units/case



IsoFreeze MCT

- Dimensions: 146 × 105 × 70 mm.
- Tube capacity: 24 x 0.5, 1.5, 2.0 mL snap or screw-cap style tubes.
- Rack comes with lid.

Item #	Description	Cold to Warm Color Change	Estimated Time at 4°C	Packaging
LC664	MCT Rack	Purple to Pink	3.5+ Hours	1/unit, 5 units/case
LC665	MCT Rack	Green to Yellow	3.5+ Hours	1/unit, 5 units/case



IsoFreeze Flipper Racks

- IsoFreeze temperature maintenance racks. Lid included.
- Consistent thermal protection.
- One side holds 20 x 1.5/2.0 mL tubes, and the other side holds 20 x 0.5 mL tubes.
- Tough polycarbonate material.
- Dimensions: 172 x 104 × 108 mm.
- IsoFreeze Flipper is available in two temperature ranges:
 - Blue -20°C unit will maintain a temperature between -10° and -20°C for up to 3 hours.
 - White 0°C unit will maintain a temperature of 0°C for a minimum of five hours.
- Racks are filled with an inert, non-toxic gel.

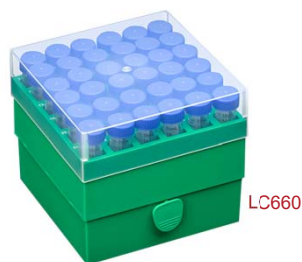
Item #	Description	Format	Indexing	Colors	Packaging
LC663	Flipper -20°C	4 x 5	1 to 20	Blue	1 rack/unit, 4 units/case
LC662	Flipper 0°C	4 x 5	1 to 20	White	1 rack/unit, 4 units/case



Qiagen and Rotor-Gene are registered trademarks of the Qiagen Group.

Racks

Storage & Freezer Racks



Storage & Freezer Racks

15 & 50 mL Tube Racks

- Convenient freezer storage.
- Numerical index on grid.
- Rugged polypropylene construction.
- Unique pull tab enables safe removal from freezer racks.
- Temperature range: -90°C to + 121°C (autoclavable).
- Dimensions: 144 × 144 × 127 mm, 102 mm without lid.



Item #	Description	Format	Indexing	Max Tube Dimensions	Colors	Packaging
LC660	15 mL × 36 Place Rack	6 × 6	1 to 36	18 x 121 mm	Green	2/unit, 6 units/case
LC661	50 mL × 16 Place Rack	4 × 4	1 to 16	30 x 121 mm	Blue	2/unit, 6 units/case

80-Place Tube Racks

- Fraction collector plate style.
- Versatile & efficient storage in bright, fluorescent colors.
- Holds tubes up to 2.0 mL, 11 x 26 mm maximum.
- Rack dimensions: 226 × 67 × 28 mm.
- Container dimensions: 236 × 85 × 52 mm.



Item #	Description	Format	Colors	Packaging
LC537	80 Place Rack	5 × 16	Assorted Fluorescent Colors	5/unit, 4 units/case
LC546	Container for 80 Place Rack	Holds Item # 5110-XX	Clear	5/unit, 4 units/case

Assorted Fluorescent Colors:
Items include 5 colors: blue, green, orange, pink, yellow.



Storage & Freezer Racks

Freezer Racks

- Versatile storage from freezer to bench.
- Stores tubes up to 2.0 mL.
- Suitable for temperatures as low as -90°C.
- Rugged polypropylene.
- High-contrast alphanumeric indexing.



Item #	Description	Dimensions	Colors	Packaging
LC648	50-Place with Hinged Lid 5 x 10 Format	139 x 86 x 54 mm	Assorted Fluo	5/unit, 4 units/case
LC636	81-Place with Lift-Off Lid 9 x 9 Format	125 x 125 x 45 mm (43 mm without Lid)	Assorted Fluo	
LC658	100-Place with Hinged Lid 10 x 10 Format	151 x 139 x 54 mm	Assorted Fluo	
LC638	Freezer Box with Lift-Off Lid (no wells or slots)	125 x 125 x 43 mm	Clear	
LC639	49-Well Rack with Lift-Off Lid and Drain Holes	125 x 125 x 43 mm	Clear	
LC640	81-Well Rack with Lift-Off Lid and Drain Holes	125 x 125 x 45 mm (43 mm without Lid)	Clear	
LC641	81-Well Zylar® Rack with Lift-Off Lid for Temperature Down to -196°C	125 x 125 x 45 mm (43 mm without Lid)	Clear	



LC648



LC636



LC639

CryoFreeze Storage Racks

- Tough, durable polycarbonate construction.
- Drains and vents prevent pressure build-up.
- Crystal-clear lid for sample visibility.
- Bright, attractive assorted colors.
- High-contrast alphanumeric indexing.
- Max tube dimensions:
 - LC676, LC682, and LC694: 12 x 49 mm.
 - LC688 : 12 x 90 mm.

Item #	Description	Format	Dimensions	Packaging
LC676	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
LC682	81-Place Rack, Assorted Colors (1.0/1.8 mL Tubes)	9 x 9	133 x 133 x 54 mm	
LC688	81-Place, Deep Rack, Assorted Colors (4.5 mL Tubes)	9 x 9	133 x 133 x 95 mm	
LC694	100-Place Rack, Assorted Colors (1.0/1.8 mL Tubes)	10 x 10	133 x 133 x 54 mm	



5700-19

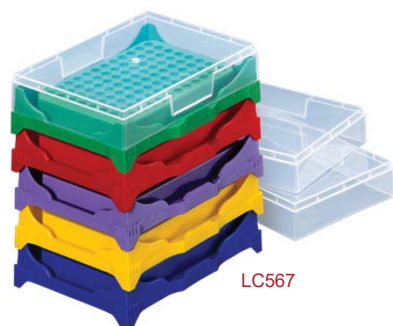


5750-19

Zylar is a registered trademark of INEOS Styrolution America, LLC.

Racks

PCR WorkUp Racks



LC567

PCR WorkUp Racks (Standard & Stacking)

PCR Stacking WorkUp Rack— New and Improved!

- Easy stacking.
- Lid clicks into place.
- Stable work platform.
- Accommodates non-skirted, semi-skirted and skirted 96-well PCR plates.
- Accommodates PCR strip tubes.
- Rugged polypropylene construction.
- Operating temp: -80°C min to 121°C max.
- Assembly comes with lid.
- Rack capacity options:
 - 1 x 96 well PCR plate.
 - 90 x 0.2 mL PCR tubes.
 - 12 x 8-strip tubes.

Item #	Description	Dimensions	Colors	Packaging
LC567	Stacking 96-Well PCR WorkUp Rack and Lid	138 × 98 × 39 mm, 30 mm without Lid	Assorted Fluorescent	5 racks/unit, 4 units/case



LC566

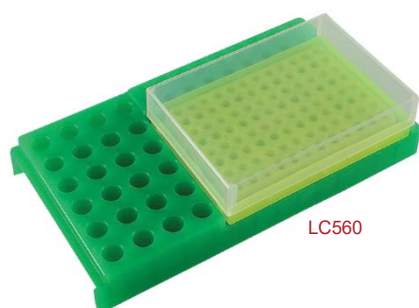
96-Place WorkUp Rack

- Working storage rack and lid for PCR processing.
- Standard spacing for strip tubes or plates.
- Snaps into PCR Workstation.
- Assembly comes with lid.

Item #	Description	Dimensions	Colors	Packaging
LC566	96 Place WorkUp Rack and Lid	128 × 87 × 33 mm, 17 mm without Lid	Assorted Fluorescent	5 racks/unit, 4 units/case

PCR Workstation and 96-Place WorkUp Rack

- Ideal platform to satisfy all pre- or post-PCR sampling applications.
- Molded alphanumeric indexing for fast and accurate identification.
- Workstation holds all commonly used tube sizes.
 - 32 x 0.2 mL tubes.
 - 24 x 1.5 or 2.0 mL tubes.
 - 16 x 0.5 mL tubes.
- Removable 96-Place WorkUp Rack holds standard plate tubes or strip tubes.



LC560

Item #	Description	Dimensions	Colors	Packaging
LC560	PCR Workstation and 96-Place WorkUp Rack	170 × 110 × 105 mm, 78 mm without Lid	Assorted Fluorescent	1 assembly/unit, 10 units/case

Floater Racks

- Molded-in buoys give exceptional stability in a water bath.
- Can be placed in an ice bath.
- The hinged lid container can be used as a mini-ice bath.
- Capacity: 24 x 1.5 / 2.0 mL and 15 x 0.5 mL tubes.
- Rack comes with lid.



Floater Racks are autoclavable.

Item #	Description	Max Tube Capacity	Colors	Packaging
LC530	24-Place Rack in Container	24 × 1.5 or 2.0 mL or 15 × 0.5 mL	Blue	1 rack/unit, 10 units/case



LC530

BetaShield Racks

- Blocks β -radiation on the bench.
- Minimum wall thickness: 5/8 inch (16 mm).
- 4 x 6 format.
- Maximum tube capacity: 24 × 1.5 or 2.0 mL.
- Rack comes with lid.

Item #	Description	Indexing	Well Dimensions	Packaging
LC529	24-Place Rack	A to D & 1 to 6	8 x 24 mm (0.6 mL) 11 x 35 mm (1.5 mL)	1 rack/unit, 6 units/case



LC529