RESEARCH **G**RADE

LIQUID HANDLING PRODUCTS

2024 Catalogue

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Intern



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Welcome to Sequence Biotech LLC, a pioneering company founded in 2009 by the visionary Dan Seguin. Our journey began with a strong partnership with Sorenson Biosciences, laying the foundation for our success in the field of biotechnology.

At Sequence Biotech, we take immense pride in our role as the designers and manufacturers of the renowned "Sorenson 96 Channel Benchtop Pipettor". This revolutionary instrument has been a trusted companion in precision liquid handling functions for major clinical research organizations for over a decade.

In 2019, we proudly took over the distribution rights of the Sorenson Benchtop Pipettor, further solidifying our commitment to providing cutting-edge solutions to the scientific community. With our longstanding partnership with Sorenson Biosciences, we have become a trusted distributor of their product line, delivering excellence and reliability to our valued customers.

This brochure serves as a testament to our dedication and expertise. Within its pages, you will discover a comprehensive range of products that we proudly sell. From state-of-the-art laboratory equipment to high-quality consumables, we offer everything you need to propel your scientific endeavors to new heights.

Sequence Biotech's unwavering commitment to innovation, precision, and customer satisfaction sets us apart. We are driven by a passion for advancing scientific research and empowering researchers with the tools they need to make groundbreaking discoveries.

Join us on this remarkable journey of scientific exploration and innovation. Explore our brochure and discover the exceptional products that make Sequence Biotech a trusted name in the industry.





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Pipette Tip Packaging Options

Pipette Tip Packaging Options:

Choose the right tip and the right packaging option. Each packaging option is identified in the tip ordering information tables by icons as presented below:



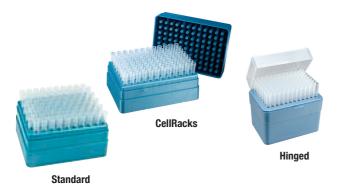


Bulk Tips

1,000 loose tips packaged in resealable bags*

· Available Tips: Wide selection

*1,000 µl XT bulk bags exception: 768 tips/bag



Racked Tips

Sorenson tips are available in sturdy racks that withstand several autoclave cycles.

CellRacks hold tips steadily in fully enclosed cells, minimize static and are excellent platforms for single and multichannel pipetting. **Hinged** racks hold the extremely popular 1000XT (50-1250 μ I) tips, and traditional 1000 μ I standard tips are placed in 100-hole **standard** racks.

· Available Tips: Wide selection



e • dek – Paperboard Rack System

- Easy to recycle compatible with most paperboard recycling programs
- Used racks require minimal storage space just flatten and recycle
- Manufactured from paperboard sourced from sustainable forests
- Printed with soy and vegetable based inks
- · Less weight equals reduced energy consumption and cost for shipping
- Available Tips: Sterile OneTouch pipette tip range

Pipette Tip Packaging Options







- Saves space: 192 tips per deck, 5 decks per stack (960 tips)
- Decks designed in 2 x 96 format to match microtiter plate formats
- Stable platform for loading tips
- Can be used with 8 or 12 channel pipettors
- Lid can be positioned to expose only 96 tips
- Available Tips: 10 µl LongReach and 200 µl Standardization



Platinum Reload System

- Saves space
- Less waste environmentally friendly
- Durable, reusable, open-style hinged racks
- No special transfer device needed
- Fit other similar reload system racks
- Clear reload packaging = easy tip identification
- Available Tips: 10 μI LongReach; 200 μI Standardization; 300 μI NX; and 1000 μI XT (50-1250 $\mu I)$

QuickRack Environmental Packaging

- Quickly loads 96 tips into empty racks
- Compatible with most manufacturers' racks
- Reduces waste
- Available Tips: 10 μI Ultra G; 10 μI LongReach; 200 μI Standardization; and 1000 μI XT (50-1250 $\mu I)$



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Gel Loading Tip Packaging

- Gel loading tip racks (each rack is a single 'pack' of 200 tips) are color coded by outside tip diameter.
 - White racks Round (0.57 mm 0.D.) tips
 - Yellow racks Flat (0.37 mm 0.D.) tips
 - Blue racks Flat (0.17 mm 0.D.) tips
- MµltiFlex[™] (1-200 µl) gel loading tips are available bulk (round) and racked (round and flat)
- MiniFlex (0.1-10 μl) gel loading tips are available racked (round and flat)



MµltiGuard[™] Barrier Tips

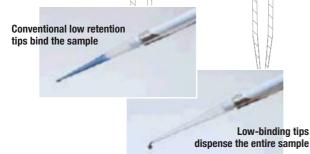




LOW BINDING POLYMER TECHNOLOGY

- Creates hydrophobic surface to reduce surface tension
- Minimal sample binding
- Improves accuracy and precision
- No additives such as silicone
- No leaching and subsequent sample degradation

SEE THE DIFFERENCE!



- Ideal for PCR, DNA amplification and radioisotope handling
- Inert, hydrophobic barrier prevents pipettor contamination
- Over-pipetting will not contaminate valuable samples
- Universal fit on research-grade pipettors
- Filter contains no leachable additives
- Small micron pore sizes, <20 microns

MµltiGuard Barrier Tips effectively block aerosols without the risk of contaminating your sample with additives.

Visit www.sorbio.com to view studies where MµltiGuard Barrier Tips prevent anthrax and radioactive contamination.

Also see how a cellulose additive contained in competitors' tips inhibits PCR.



Scientific tests demonstrate that low binding polymer technology binds less DNA and protein than conventional and low retention tips.

DNA Binding: The relative binding of DNA by several manufacturers' pipette tips (three conventional tips and three low retention tips) was measured by slowly pipetting 100 μ l of ABI Big Dye[®] Terminator Ready Reaction Mix (Applied Biosystems). Tips were subsequently washed in 625 μ l of ddH₂O in a spectrophotometer sample tube and analyzed with a DU-70 spectrophotometer (Beckman-Coulter) at 260 nm wavelength.

Results: Low binding tips experience as much as a tenfold decrease in DNA binding compared to conventional tips and a fourfold decrease in bound DNA compared to the best low retention tips. Performance is not compromised after autoclaving (data not shown).

Protein Binding: The relative binding of protein by several manufacturers' pipette tips (three conventional tips and three low retention tips) was measured by pipetting 100 μ l of 10 mg/ μ l bovine serum albumin (New England Biolabs, Beverly, MA). Tips were subsequently washed in 625 μ l of ddH₂0 in a spectrophotometer sample tube and analyzed with a DU-70 spectrophotometer (Beckman-Coulter) at 280 nm wavelength.

Results: Low binding tips exhibit as much as a threefold decrease in protein binding compared to conventional and low retention tips and performance is not compromised after autoclaving (data not shown).



MµltiGuard[™] Barrier Tips

	Cat. No.	Vol. Range	Туре	Graduations	Packaging	Pack Type	Quantity
10 μl μltra G	28200 28200T	0.1-10 µl 0.1-10 µl	Standard Low Binding	2, 10 μl 2, 10 μl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
10 μl LongReach	38000 38000T	0.1-10 µl 0.1-10 µl	Standard Low Binding	2, 5, 10 µl 2, 5, 10 µl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
10 μl Ε	15020 15020T	О.5-10 µI 0.5-10 µI	Standard Low Binding	No Graduations No Graduations	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
20 µl	14210 14210T	1-20 µl 1-20 µl	Standard Low Binding	No Graduations No Graduations	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
100 µl	36060 36060T	1-100 µl 1-100 µl	Standard Low Binding	No Graduations No Graduations	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
200 µl	14220 14220T	1-200 µl 1-200 µl	Standard Low Binding	No Graduations No Graduations	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
200 μl NX	30550 30550T	1-200 µl 1-200 µl	Standard Low Binding	10, 50, 100 µl 10, 50, 100 µl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
200 µl MultiGuard 3*	17370-X 17370T-X * This unit	1-200 µl 1-200 µl jue extended len	Standard Low Binding gth tip allows st	10, 50, 100, 200 μl 10, 50, 100, 200 μl andardization across a	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack a wide range of 20 µl, 50	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case I 200 µI pipettors.
300 μl XT	30510-X 30510T-X	1-300 µl 1-300 µl	Standard Low Binding	10, 50,100, 200 µl 10, 50,100, 200 µl 10, 50,100, 200 µl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
1000 µl	14200 14200T	100-1000 µl 100-1000 µl	Standard Low Binding	No Graduations No Graduations	Sterile, 100 Tips/Rack Sterile, 100 Tips/Rack	Standard Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
1000 μl XT						Hinged Rack	
	34000	50-1250 µl	Standard	200, 500, 1000 µl	Sterile, 96 Tips/Rack		8 Racks/Pack, 5 Packs/Case

PIPETTE TIPS



OneTouch Tips

A truly universal tip that fits virtually any pipettor – OneTouch tips provide an innovative, ergonomic and environmentally friendly liquid handling solution.



Innovative - Pipetting like you've never felt it

A revolutionary tip that is manufactured from two resins, OneTouch tips provide a soft color-coded top collar and a rigid, ultra-clear polypropylene body.

Ergonomic – Soft tip requires less pressure to create an optimal seal

Tips reduce the necessary sealing and reciprocal ejection force felt with traditional single resin polypropylene tips. Tips are excellent for multichannel pipettors, and reduce pipettor wear.

Environmentally Sensitive: e•dek[™] packaging

Sorenson BioScience introduces a true environmental solution, plastic-free racks. e•dek racks are made of paperboard sourced from sustainable forests and are printed with soy and vegetable based inks. Bio-degradable racks are fully recyclable with existing paperboard recycling programs. Just flatten used racks and toss them into the recycling bin.

Packaging and Compatibility

- · Two types of packaging:
 - Traditional polypropylene racks
 - Environmentally friendly e•dek paperboard racks
- Four tips accommodate a wide range of research-grade pipettors:
 - 3 µl (0.1-3 µl), compatible with most popular 0.1-3 µl research-grade pipettors
 - 10 µl (1-20 µl), compatible with most popular 2 µl, 10 µl and 20 µl research-grade pipettors
 - 200 µl (1-330 µl), compatible with most popular 200-300 µl research-grade pipettors
 - 1000 μl (50-1250 μl), compatible with most popular 1000 μl research-grade pipettors



OneTouch-Compatible BenchTop Pipettor: See page 22.



OneTouch Tips

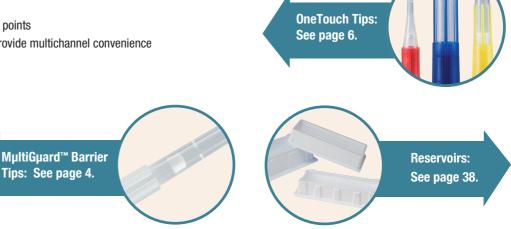
	Cat. No.	Vol. Range	Туре	Graduations	Packaging	Pack Type	Quantity
3 μl Standard	78450 78490	0.1- 3 ul 0.1- 3 ul	Standard Standard	1 ul 1 ul	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips, Rack	Cell Rack	10 Racks/Pack; 5 Packs/Case 10 Racks/Pack; 5 Packs/Case
3 μl Barrier	78510	0.1- 3 ul	Barrier	1 ul	Sterile, 96 Tips, Rack	Cell Rack	10 Racks/Pack; 5 Packs/Case
10 μl Standard	10300 10310 10390	1-20 µl 1-20 µl 1-20 µl	Standard Standard Standard	1 µl, 5 µl, 10 µl 1 µl, 5 µl, 10 µl 1 µl, 5 µl, 10 µl	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
10 μl Barrier	10320 10400	1-20 µl 1-20 µl	Barrier Barrier	1 μl, 5 μl, 10 μl 1 μl, 5 μl, 10 μl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
200 µl Standard	10330 10340 10410	1-330 µl 1-330 µl 1-330 µl	Standard Standard Standard	10 µl, 50 µl, 100 µl 10 µl, 50 µl, 100 µl 10 µl, 50 µl, 100 µl	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack e•dek	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
200 µl Barrier	10350 10420	1-330 µl 1-330 µl	Barrier Barrier	10 µl, 50 µl, 100 µl 10 µl, 50 µl, 100 µl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack e•dek	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
1000 μl Standard	10360 10370 10450	50-1250 µl 50-1250 µl 50-1250 µl	Standard Standard Standard	200 µl, 500 µl, 1000	µlNon-Sterile, 96 Tips/Rack µlSterile, 96 Tips/Rack µlSterile, 64 Tips/Rack	Hinged Rack	8 Racks/Pack, 5 Packs/Case 8 Racks/Pack, 5 Packs/Case 12 Racks/Pack, 1 Pack/Case
1000 μl Barrier	10380	50-1250 μl	Barrier	200 ul. 500 ul. 1000	µlSterile, 96 Tips/Rack	Hinged Rack	8 Racks/Pack, 5 Packs/Case



Ultra-Micro and Standard Universal Fit Pipette Tips

Trust Sorenson brand pipette tips in your research. Tips are manufactured from the finest raw materials using precise production techniques that provide consistent quality performance. Primary products are made from virgin polymers and contain no recycled, reprocessed, or altered plastics.

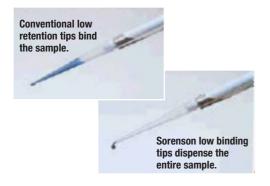
- · Universal fit on research grade pipettors
- Accurate, precise and reliable
- Exceptional clarity
- · Certified free of RNase, DNase, Human DNA and pyrogens
- Extended length tips enable users to reach the bottom of tubes without contaminating pipettors
- · Graduated tips provide visible reference points
- Racked on 9 mm centers, pipette tips provide multichannel convenience



LOW BINDING POLYMER TECHNOLOGY

- · Creates hydrophobic surface to reduce surface tension
- Minimal sample binding
- Improves accuracy and precision
- No additives such as silicone
- No leaching and subsequent sample degradation

SEE THE DIFFERENCE!



Scientific tests demonstrate that low binding polymer technology binds less DNA and protein than conventional and low retention tips.

DNA Binding: The relative binding of DNA by several manufacturers' pipette tips (three conventional tips and three low retention tips) was measured by slowly pipetting 100 µl of ABI Big Dye[®] Terminator Ready Reaction Mix (Applied Biosystems). Tips were subsequently washed in 625 µl of ddH₂O in a spectrophotometer sample tube and analyzed with a DU-70 spectrophotometer (Beckman-Coulter) at 260 nm wavelength.

Results: Low binding tips experience as much as a tenfold decrease in DNA binding compared to conventional tips and a fourfold decrease in bound DNA compared to the best low retention tips. Performance is not compromised after autoclaving (data not shown).

Protein Binding: The relative binding of protein by several manufacturers' pipette tips (three conventional tips and three low retention tips) was measured by pipetting 100 μ l of 10 mg/ μ l bovine serum albumin (New England Biolabs, Beverly, MA). Tips were subsequently washed in 625 μ l of ddH₂0 in a spectrophotometer sample tube and analyzed with a DU-70 spectrophotometer (Beckman-Coulter) at 280 nm wavelength.

Results: Low binding tips exhibit as much as a threefold decrease in protein binding compared to conventional and low retention tips and performance is not compromised after autoclaving (data not shown).



Ultra-Micro Tips

	Cat. No.	Vol. Range	Туре	Color	Graduations	Packaging	Pack Type	Quantity			
10 μl μltra G											
	23580	0.1-10 µl	Standard	Natural	2, 10 µl	Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case			
	23580T	0.1-10 μl	Low Binding	Natural	2, 10 µl	Non-Sterile, Bulk	NIN N	1000 Tips/Bag, 10 Bags/Case			
	23560	0.1-10 µl	Standard	Natural	2, 10 µl	Non-Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case			
	23560T	0.1-10 µl	Low Binding	Natural	2, 10 µl	Non-Sterile, 96 Tips/Rack	IIIIIII	10 Racks/Pack, 5 Packs/Case			
	23570 23570T	0.1-10 μl 0.1-10 μl	Standard Low Binding	Natural Natural	2, 10 μl 2, 10 μl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case			
	00/70						QuickRack	000 T: (D 5 D (0			
	30470 30470T	0.1-10 μl 0.1-10 μl	Standard Low Binding	Natural Natural	2, 10 µl 2, 10 µl	Non-Sterile, Reload Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case 960 Tips/Pack, 5 Packs/Case			
10 µl	È	li li					~				
LongReac	1						Bulk Pack				
	37650	0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case			
	37650T	0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile, Bulk	NUN	1000 Tips/Bag, 10 Bags/Case			
	37640	0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case			
	37640T	0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case			
	37660 37660T	0.1-10 μl 0.1-10 μl	Standard Low Binding	Natural Natural	2, 5, 10 µl 2, 5, 10 µl	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	and the second second	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case			
	07700	0.1.10	Chandard	National	0 5 10 11	New Charile					
	27780 27780T	0.1-10 μl 0.1-10 μl	Standard Low Binding	Natural Natural	2, 5, 10 μl 2, 5, 10 μl	Non-Sterile Non-Sterile	TipStation	960 Tips/Stack, 5 Stacks/Case 960 Tips/Stack, 5 Stacks/Case			
	27790	0.1-10 µl	Standard	Natural	2, 5, 10 µl	Sterile		960 Tips/Stack, 5 Stacks/Case			
	27790T	0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Sterile		960 Tips/Stack, 5 Stacks/Case			
	70500	0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Deck	Platinum Reload	10 Decks/Pack, 4 Packs/Case			
	70600	0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Deck	EE -	10 Decks/Pack, 4 Packs/Case			
	70700	0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Deck, Starter Kit		960 Tips/Case, 10 Empty Racks			
	07000						QuickRack				
	37820 37820T	0.1-10 μl 0.1-10 μl	Standard Low Binding	Natural Natural	2, 5, 10 µl 2, 5, 10 µl	Non-Sterile, Reload Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case 960 Tips/Pack, 5 Packs/Case			
10 µl	115										
E		1-					Bulk Pack				
	13980	0.5-10 µl	Standard	Natural	No Graduations	Non-Sterile, Bulk	NUN	1000 Tips/Bag, 10 Bags/Case			
	13980T	0.5-10 µl	Low Binding	Natural	No Graduations	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case			
	22220-E	0.5-10 µl	Standard	Natural	No Graduations	Non-Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case			
	22220T	0.5-10 µl	Low Binding	Natural	No Graduations	Non-Sterile, 96 Tips/Rack	And the second	10 Racks/Pack, 5 Packs/Case			
	22210 22210T	0.5-10 μl 0.5-10 μl	Standard Low Binding	Natural Natural	No Graduations No Graduations	Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case			
	222101	0.5-10 µi		ivatural	NU GIAUUALIUIIS	Sterne, 90 HPS/hack		TO HALKS/FALK, O FALKS/UDSE			

PIPETTE TIPS



Standard Tips

	Cat. No.	Vol. Range	Туре	Color	Graduations	Packaging	Pack Type	Quantity
200 µl	10.170						Bulk Pack	
	10470 10470T	1-200 μl 1-200 μl	Standard Low Binding	Natural Natural	No Graduations No Graduations	Non-Sterile, Bulk Non-Sterile, Bulk	NUN NO	1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	10500 15270T 10520 10520T	1-200 μl 1-200 μl 1-200 μl 1-200 μl	Standard Low Binding Standard Low Binding	Natural Natural Natural Natural	No Graduations No Graduations No Graduations No Graduations	Non-Sterile, 96 Tips/Rack Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	30450 30450T	1-200 µl 1-200 µl	Standard Low Binding	Natural Natural	No Graduations No Graduations	Non-Sterile, Reload Non-Sterile, Reload	QuickRack	960 Tips/Pack, 5 Packs/Case 960 Tips/Pack, 5 Packs/Case
	10590	1-200 µl	Standard	Yellow	No Graduations	Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case
	10620 10660	1-200 μl 1-200 μl	Standard Standard	Yellow Yellow	No Graduations No Graduations	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	30460	1-200 µl	Standard	Yellow	No Graduations	Non-Sterile, Reload	QuickRack	960 Tips/Pack, 5Packs/Case
200 µl							Bulk Pack	
Standardization	15720 15720T	1-200 μl 1-200 μl	Standard Low Binding	Natural Natural	10, 50, 100 μl 10, 50, 100 μl	Non-Sterile, Bulk Non-Sterile, Bulk	NUN	1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	15660 15660T 15670 15670T	1-200 µl 1-200 µl 1-200 µl 1-200 µl	Standard Low Binding Standard Low Binding	Natural Natural Natural Natural	10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl 10, 50, 100μl	Non-Sterile, 96 Tips/Rack Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	27760 27760T 27770 27770T	1-200 µl 1-200 µl 1-200 µl 1-200 µl	Standard Low Binding Standard Low Binding	Natural Natural Natural Natural	10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl	Non-Sterile Non-Sterile Sterile Sterile	TipStation	960 Tips/Stack, 5 Stacks/Case 960 Tips/Stack, 5 Stacks/Case 960 Tips/Stack, 5 Stacks/Case 960 Tips/Stack, 5 Stacks/Case
	70510 70610 70710	1-200 µl 1-200 µl 1-200 µl	Standard Low Binding Standard	Natural Natural Natural	10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl	Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck, Starter Kit	Platinum Reload	10 Decks/Pack, 4 Packs/Case 10 Decks/Pack, 4 Packs/Case 960 Tips/Case, 10 Empty Racks
	30430 30430T	1-200 µl 1-200 µl	Standard Low Binding	Natural Natural	10, 50, 100 μl 10, 50, 100 μl	Non-Sterile, Reload Non-Sterile, Reload	QuickRack	960 Tips/Pack, 5 Packs/Case 960 Tips/Pack, 5 Packs/Case
	15730	1-200 µl	Standard	Yellow	10, 50, 100 µl	Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case
	15360 15370	1-200 µl 1-200 µl	Standard Standard	Yellow Yellow	10, 50, 100 µl 10, 50, 100 µl	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	27720 27730	1-200 μl 1-200 μl	Standard Standard	Yellow Yellow	10, 50, 100 μl 10, 50, 100 μl	Non-Sterile Sterile	TipStation	960 Tips/Stack, 5 Stacks/Case 960 Tips/Stack, 5 Stacks/Case
	70520 70720	1-200 µl 1-200 µl	Standard Standard	Yellow Yellow	10, 50, 100 µl 10, 50, 100 µl	Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck, Starter Kit	Platinum Reload	10 Decks/Pack, 4 Packs/Case 960 Tips/Case, 10 Empty Racks
	30440	1-200 µl	Standard	Yellow	10, 50, 100 µl	Non-Sterile, Reload	QuickRack	960 Tips/Pack, 5 Packs/Case

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Standard Tips

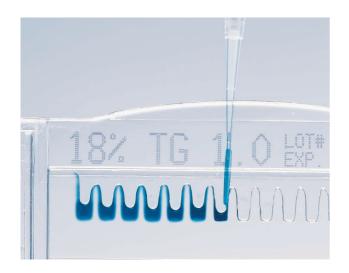
	Cat. No.Vol. Range		Туре	Color	Graduations	Packaging	Pack Type	Quantity
300 µl							Bulk Pack	
NX	31770 31770T	1-300 µl 1-300 µl	Standard Low Binding	Natural Natural	10, 50, 100 μl 10, 50, 100 μl	Non-Sterile, Bulk Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	31780 31780T 31790 31790T	1-300 μl 1-300 μl 1-300 μl 1-300 μl	Standard Low Binding Standard	Natural Natural Natural	10, 50, 100 µl 10, 50, 100 µl 10, 50, 100 µl 10, 50, 100 µl	Non-Sterile, 96 Tips/Rack Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	70530 70620 70730	1-300 µ 1-300 µ 1-300 µ 1-300 µ	Low Binding Standard Low Binding Standard	Natural Natural Natural Natural	10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl 10, 50, 100 μl	Sterile, 96 Tips/Rack Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck, Starter Kit	Platinum Reload	10 Racks/Pack, 5 Packs/Case 10 Decks/Pack, 4 Packs/Case 10 Decks/Pack, 4 Packs/Case 960 Tips/Case, 10 Empty Rack
300 µI	6							
ХТ	30800 30800T	1-300 µl 1-300 µl	Standard Low Binding	Natural Natural	10, 50, 100, 200 µl 10, 50, 100, 200 µl	Non-Sterile, Bulk Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	30920 30920T 30930 30930T	1-300 µl 1-300 µl 1-300 µl 1-300 µl	Standard Low Binding Standard Low Binding	Natural Natural Natural Natural	10, 50, 100, 200 µl 10, 50, 100, 200 µl 10, 50, 100, 200 µl 10, 50, 100, 200 µl	Non-Sterile, 96 Tips/Rack Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
1000 µI*								
	10200 10200T 10230 10230T	100-1000 µl 100-1000 µl 100-1000 µl 100-1000 µl	Standard Low Binding Standard Low Binding	Natural Natural Natural Natural	No Graduations No Graduations No Graduations No Graduations	Non-Sterile, 100 Tips/Rack Non-Sterile, 100 Tips/Rack Sterile, 100 Tips/Rack Sterile, 100 Tips/Rack	Standard Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
	10190 10190T 10040	100-1000 µl 100-1000 µl 100-1000 µl	Standard Low Binding Standard	Natural Natural Blue	No Graduations No Graduations No Graduations	Non-Sterile, Bulk Non-Sterile, Bulk Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	10080 10130	100-1000 µl 100-1000 µl	Standard Standard	Blue Blue	No Graduations No Graduations	Non-Sterile, 100 Tips/Rack Sterile, 100 Tips/Rack	Standard Rack	10 Racks/Pack, 5 Packs/Case 10 Racks/Pack, 5 Packs/Case
1000!							Bulk Pack	
1000 μl XT	31610	50-1250 µl	Standard	Natural	200, 500,1000 µl	Non-Sterile, Bulk	ST.	768 Tips/Bag, 10 Bags/Case
	34750 34760	50-1250 μl 50-1250 μl	Standard Standard	Natural Natural	200, 500,1000 µl 200, 500,1000 µl	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips/Rack	Hinged Rack	8 Racks/Pack, 5 Packs/Case 8 Racks/Pack, 5 Packs/Case
	70540 70740	50-1250 μl 50-1250 μl	Standard Standard	Natural Natural	200, 500,1000 μl 200, 500,1000 μl	Non-Sterile, 96 Tips/Deck Non-Sterile, 96 Tips/Deck, Starter Kit	Platinum Reload	8 Decks/Pack, 4 Packs/Case 768 Tips/Case, 8 Empty Racks
	34770	50-1250 µl	Standard	Natural	200, 500,1000 µl	Non-Sterile, Reload	QuickRack	768 Tips/Pack, 5 Packs/Case

*1000 µl tip racks are not configured on 9 mm centers; 1000 µl XT tip racks ARE configured on 9 mm centers and accommodate multichannel pipetting.

PIPETTE TIPS



Gel Loading Tips



Sorenson is **THE** trusted manufacturer of gel loading tips. Sorenson's MultiFlex[™] and MiniFlex gel loading tips have become the industry standard and have been used globally in genetic sequencing studies.

MµltiFlex Tips (1-200 µl):

- · Universal fit on research-grade pipettors
- 83 mm length for access to bottom of narrow vessels and gel wells
- 5 µl graduation for volume QuickCheck
- Available in bulk (round) and racked (round and flat)

MiniFlex Tips (0.1-10 µl):

- Universal fit on ultra-micro pipettors
- 45 mm length for access to bottom of narrow vessels and gel wells.
- 2 µl graduation for volume QuickCheck
- Available racked (round and flat)



White racks – Round (0.57 mm 0.D.) tips Yellow racks – Flat (0.37 mm 0.D.) tips Blue racks – Flat (0.17 mm 0.D.) tips



Gel Loading Tips

		Cat. No.	Vol. Range	Orifice Shape	Orifice 0.D.*	Graduations	Packaging	Pack Type**	Quantity
10 µl MiniFlex		15100 15110	0.1-10 µl 0.1-10 µl	Round Round	0.57 mm 0.57 mm	2 μl 2 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case
	-	15120 15130	0.1-10 µl 0.1-10 µl	Flat Flat	0.37 mm 0.37 mm	2 μl 2 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case
		17350 17360	0.1-10 µl 0.1-10 µl	Flat Flat	0.17 mm 0.17 mm	2 μl 2 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case
200 µl MµltiFlex	-	28480	1-200 µl	Round	0.57 mm	5 µl	Bulk, Non-Sterile	Bulk Pack	1000 Tips/Bag, 10 Bags/Case
		13790 13810	1-200 µl 1-200 µl	Round Round	0.57 mm 0.57 mm	5 μl 5 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case
		13760 13770	1-200 µl 1-200 µl	Flat Flat	0.37 mm 0.37 mm	5 μl 5 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case
		17310 17320	1-200 µl 1-200 µl	Flat Flat	0.17 mm 0.17 mm	5 μl 5 μl	Racked, Non-Sterile Racked, Sterile	Flex Rack	200 Tips/Pack, 4 Packs/Case 200 Tips/Pack, 4 Packs/Case

*.37 mm O.D. tips are for use with 0.4 mm gels; .17 mm O.D. tips are for use wtih 0.2 mm gels **Gel Loading Tip Packaging: an individual pack is a tip rack of 200 tips

PIPETTE TIPS



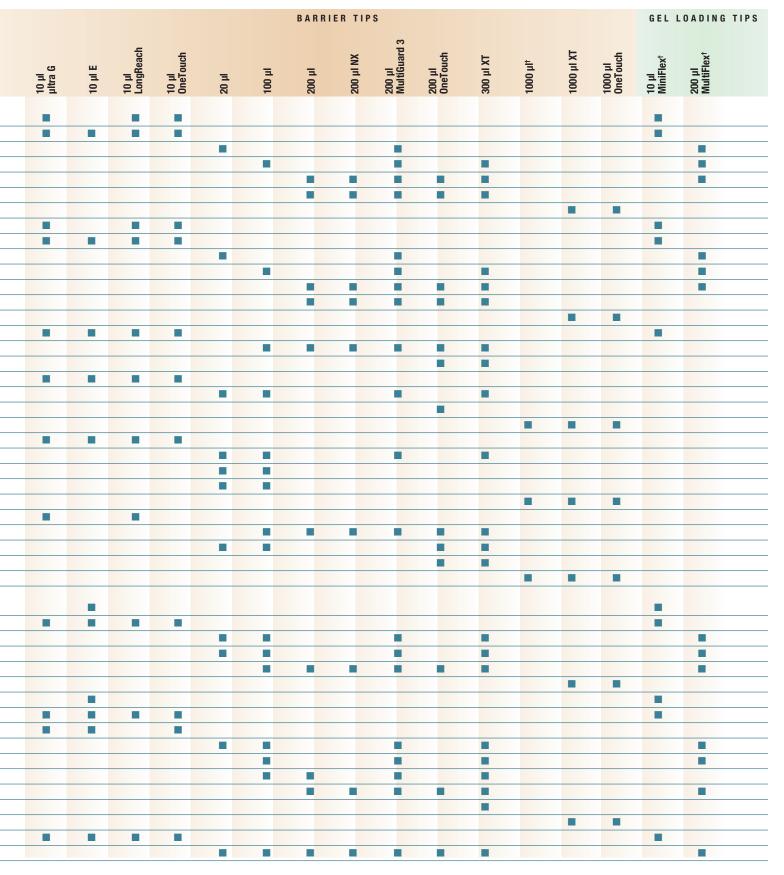
ULTRA-MICRO AND STANDARD TIPS

Tip Compatibility Chart

Chart	Single/ Multichannel Compatibility*	10 µl µltra G	10 µl E	10 µl LongReach	10 µl OneTouch	200 µl	200 µl Standardization	200 µl OneTouch	300 µl NX	300 µl XT	1000 µI†	1000 µl XT	1000 µl OneTouch
BioHit													
mLine 3 μl	SC												
mLine 10 µl	SC/MC												
mLine 20 µl	SC												
mLine 100 µl	SC/MC												
mLine 200 μl	SC												
mLine 300 μl	MC												
mLine 1000 µl	SC												
ProLine® 3 µl	SC												
ProLine 10 µl	SC/MC												
ProLine 20 µl	SC												
ProLine 100 μl	SC/MC												
ProLine 200 µl	SC												
ProLine 300 µl	MC												
ProLine 1000 µl	SC												
ProLine Mechanical 2.5 µl	SC												
ProLine Mechanical 50 µl	MC												
ProLine Mechanical 300 µl	MC												
eLine Advanced Electronic 10 µl	SC/MC										_		
eLine Advanced Electronic 10 µl	SC/MC	_	_	_									
eLine Advanced Electronic 300 µl	SC/MC												
eLine Advanced Electronic 300 µl	SC							_	_				
ePet Electronic 10 μl	SC/MC												-
ePet Electronic 100 μl	SC/WIC	-	_	_	_								
ePet Electronic 100 μl	MC						_	_	-	-			
ePet Electronic 100 μl	MC												
ePet Electronic 250 µl	SC				_		_						
ProLine Electronic 1000 µl	SC						_				-	-	-
ProLine Electronic 10 µl ProLine Electronic 100 µl		-		-									
	SC/MC								_	_		_	
ProLine Electronic 250 µl	SC	_	_	_					_				
ProLine Electronic 250 µl	MC										-	-	-
ProLine Electronic 1000 µl	SC										-	-	
Eppendorf	00	-	-		-								
Reference 2.5 µl	SC		_	-		_	_						
Reference 10 µl	SC	-	_	-	-	-	-	-		-			
Reference 20 µl	SC									_			
Reference 100 µl	SC									_			
Reference 200 µl	SC										_	-	
Reference 1000 µl	SC										-	-	•
Research 2.5 µl	SC												
Research 10 µl	SC												
Research 10 µl	MC												
Research 20 µl	SC												
Research 100 µl	SC												
Research 100 µl	MC												
Research 200 µl	SC												
Research 300 µl	MC												
Research 1000 µl	SC												
Research Pro10 µl	SC/MC												
Research Pro 300 µl	SC			_									

*SC = Compatible with single channel pipettors only; MC = compatible with multichannel only; SC/MC = Compatible with either single or multichannel. †Tips compatible with single channel only.





PIPETTE TIPS



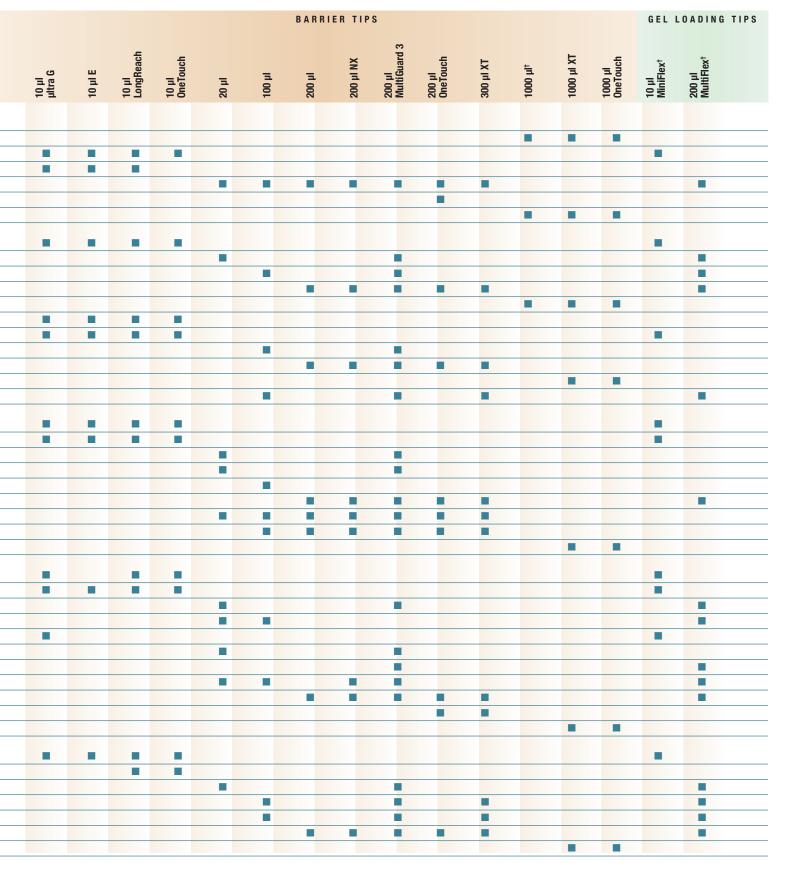
ULTRA-MICRO AND STANDARD TIPS

Tip Compatibility Chart

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*SC = Compatible with single channel pipettors only; MC = compatible with multichannel only; SC/MC = Compatible with either single or multichannel. [†]Tips compatible with single channel only.







SAFESEAL Microcentrifuge Tubes

Clearly the strongest tube, SafeSeal Microcentrifuge Tubes incorporate superior clarity with phenomenal strength.





- Superior clarity
- RCF rating of 24,000 x g
- Temperature rating from -80°C to +121°C
- Fit all standard rotors
- Autoclavable
- WILL NOT POP OPEN DURING BOILING OR FREEZING

Glass-like clarity allows easy viewing of sample and pellets. Ideal for highspeed centrifugation, proprietary homopolymer polypropylene tubes are rated up to 24,000 x g. Trust SafeSeal microcentrifuge tubes with your most valuable samples. A positive seal design allows repeated cap closures that will not pop during boiling. All tubes feature external graduation marks and frosted writing surfaces. Available in natural and five additional colors. Side gated tubes offer a clearer pellet view and increased strength over traditional style tubes.





SAFESEAL Microcentrifuge Tubes

	Cat. No.	Color	Packaging	Quantity
0.65 ml SAFESEAL	11160	Natural	Non-Sterile, Bulk Pack (Box)	1,000 Tubes/Bag, 10 Packs/Case
Microcentrifuge Tubes	11150	Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
A	11120-E	Red	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	11060	Blue	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
and the second se	11080	Creen	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	11190	Yellow	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	11170	Purple	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	11210-E	Rainbow Pack*	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	*Rainbow pac	ck consists of 200 tubes ea	ach of red, blue, green, yellow a	nd purple.
1.7 ml SAFESEAL	11500	Natural	Non-Sterile, Bulk Pack (Box)	500 Tubes/Bag, 10 Packs/Case
Microcentrifuge Tubes	11510	Natural	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11490	🥮 Red	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
in the second	11430-E	Blue	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
8 9	11450	Green	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
9	11560	Yellow	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	16620	Purple	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11590	Rainbow Pack*	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	*Rainbow pac	ck consists of 100 tubes ea	ch of red, blue, green, yellow a	nd purple.
2.0 ml SAFESEAL	12030	Natural	Non-Sterile, Bulk Pack (Box)	400 Tubes/Bag, 10 Packs/Case
Microcentrifuge Tubes	12000	Natural	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	11980	🥮 Red	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
6	11920	Blue	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
3 3	11940	Green	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	12040	Yellow	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	12020	Purple	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	12060	Rainbow Pack*	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	*Rainbow pac	ck consists of 80 tubes eac	ch of red, blue, green, yellow an	d purple.

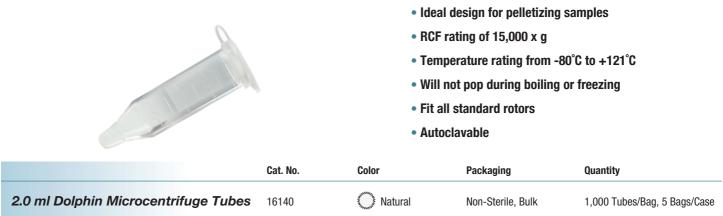


Low Binding Microcentrifuge Tubes

- RCF rating of 24,000 x g
- Temperature rating from -80°C to +121°C
- Low protein binding, ideal for Proteomics
- Non-reactive
- Will not pop during boiling or freezing
- Complete sample recovery
- Autoclavable

- Cinter	Cat. No.	Color	Packaging	Quantity
0.65 ml Low Binding Microcentrifuge Tubes	11300	Natural	Non-Sterile, Pack Box	500 Tubes/Pack, 10 Packs/Case
1.7 ml Low Binding Microcentrifuge Tubes	39640T	Natural	Non-Sterile, Pack Box	250 Tubes/Pack, 10 Packs/Case
2.0 ml Low Binding Microcentrifuge Tubes	12160	Natural	Non-Sterile, Pack Box	200 Tubes/Pack, 10 Packs/Case

Dolphin Microcentrifuge Tubes





µltra Racks



- Supports up to 48 tubes in an alpha-numeric configuration
- Non-skid rubber feet hold the rack in place
- Manufactured from 100% recycled polypropylene

	Cat. No.	Fits Tube Size	Capacity	Quantity
µltra Rack Microcentrifuge Tube and Vial Racks	15170	0.5 ml, 0.65 ml	48 Tubes	6 Racks/Case
	15190	1.5 ml, 1.7 ml	48 Tubes	6 Racks/Case



BENCHTOP PIPETTOR



BenchTop Pipettor

Accelerate Liquid Transfers with the 96/384 BenchTop Pipettor

- Cell culture
- Plate replication
- Plate reformatting
- Adding reagents/compounds
- Multi-step dispensing
- Mixing with variable volumes and cycles
- Increase productivity
- 250 μl dispensing precision: <2% at 25-250 $\mu l;$ <10% at 5-20 μl
- 250 μl dispensing accuracy: ±4% at 25-250 $\mu l;$ ±6% at 5-20 μl
- 20 μl dispensing precision: <3% @ 5-20 $\mu l;$ <5% @ 1-5 μl
- 20 μl dispensing accuracy: ± 3% @ 5-20 μl; ± 5% @ 1-5 μl

Now available in two volume ranges: $20 \mu l (1-20 \mu l)$ and $250 \mu l (5-250 \mu l)$

	Cat. No.	Description	Volume	Quantity
	73990	20 µl BenchTop Pipettor	1-20 µl	1 Unit
	74000	20 μI BenchTop Pipettor in hard shell travel case	1-20 µl	1 Unit
	73960	250 µl BenchTop Pipettor	5-250 µl	1 Unit
A CONTRACTOR	73970	250 µl BenchTop Pipettor in hard shell travel case	5-250 μl	1 Unit



Related Products

OneTouch Tips

The BenchTop Pipettor has been designed for use with Sorenson pipette tips. Our unique tips are designed to create an ergonomic, leak-proof seal. Sealing across 96 tips has never been easier than with the BenchTop Pipettor. Compatible Sorenson pipette tips include both OneTouch Tips and the new single resin 250 μ I BenchTop Pipette Tip.

	Cat. No.	Description	Quantity
10 μl OneTouch Tips For use with the 20 μl	10300	OneTouch Non-Sterile, 10 µl Pipette Tip	960 Tips/Pack, 5 Packs/Case
BenchTop Pipettor	10310	OneTouch Sterile, 10 µl Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10320	OneTouch Sterile, Barrier, 10 µl Pipette Tip	960 Tips/Pack, 5 Packs/Case
200 µl OneTouch Tips	10330	OneTouch Non-Sterile, 200 µl Pipette Tip	960 Tips/Pack, 5 Packs/Case
For use with the 250 µl BenchTop Pipettor	10340	OneTouch Sterile, 200 μl Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10350	OneTouch Sterile, Barrier, 200 µl Pipette Tip	960 Tips/Pack, 5 Packs/Case
Low Binding 250 µl BenchTop Tips	73750T	250 µl BenchTop Pipette Tip, Low Binding	960 Tips/Pack, 5 Packs/Case
For use with the 250 µl BenchTop Pipettor	73760T	250 µl BenchTop Pipette Tip, Sterile, Low Binding	960 Tips/Pack, 5 Packs/Case
	73770T	250 µl BenchTop Pipette Tip, Sterile, Barrier, Low Binding	960 Tips/Pack, 5 Packs/Case

Disposable HTS Reagent Reservoirs and Reservoir Holder

HTS Reagent Reservoirs are designed for use in high throughput screening and are made of FDA grade polystyrene. All HTS Reagent Reservoirs are sterile and individually wrapped. The re-usable Reservoir Holder is on an SBS Footprint and is designed to lock reservoirs steadily and securely in place for use with the BenchTop Pipettor.

	Cat. No.	Description	Quantity
	74020	Reservoir Holder, Open Basin, SBS Footprint, Black	10/Case
	74010	96-Well Diamond-Bottom, Low Profile Reservoir, 75 ml, Sterile, White	100/Case, with 2 Holders
	74030	96-Well Diamond-Bottom, Deep Well Reservoir, 200 ml, Sterile, White	50/Case, with 2 Holders

BenchTop Indexing Device

The BenchTop Indexing Device adapts the BenchTop Pipettor for use with 384-well plates.

	Cat. No.	Description	Quantity
For use with both the 20 µl and 250 µl BenchTop Pipettors	73980	BenchTop Indexing Device	1 Unit



µltraAMP[™] PCR Products



µltra**Amp**[™].

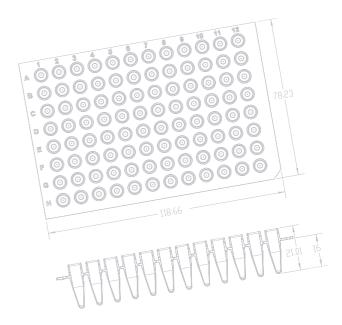
µltraAMP PCR Products

Sorenson BioScience, Inc. manufactures a comprehensive line for all PCR applications. From low-throughput applications requiring tubes to high-throughput applications involving 384-well plates, Sorenson offers high-quality solutions.

Thin wall 0.2 ml tubes, 0.2 ml μ ltraStrips, and .65 ml μ ltraTubes maximize PCR accuracy and reduce cycle times by providing uniform, rapid thermal transfer. All tubes fit most 0.2 ml and 0.5 ml thermal cycler blocks.

Bold-printed PCR plates fit leading thermal cyclers, DNA sequencing/detection instruments, and Real-Time PCR instruments. Precision-designed molds and tightly controlled processes create high quality plates with minimal warp before and after thermal cycling. Tight manufacturing tolerances and SBS standard dimensions make Sorenson BioScience PCR plates ideal for automated processes.

Trust Sorenson BioScience PCR plates with your most valuable samples. Stateof-the-art instruments check every well of every plate for molding irregularities that can compromise PCR performance. In addition, all products are certified RNase/DNase-Free, Human DNA/PCR Inhibitor-Free, and non-pyrogenic.





µltraAMP™ PCR Plates

96-Well µltra Plate

- Fits most popular thermal cyclers
- · Slightly raised rims around wells for maximum sealing surface
- · Easily cut



Cat. No.	Description	Plate Color	Packaging
26190	0.2 ml Rigid 96-Well µltra Plate	O Natural	25 Plates/Pack, 4 Packs/Case
21970	0.2 ml Rigid 96-Well µltra Plate	 Natural 	25 Plates/Pack, 1 Pack/Case
21980	0.2 ml Rigid 96-Well µltra Plate	🔴 Red	25 Plates/Pack, 1 Pack/Case
21990	0.2 ml Rigid 96-Well µltra Plate	O Blue	25 Plates/Pack, 1 Pack/Case
22000	0.2 ml Rigid 96-Well µltra Plate	O Green	25 Plates/Pack, 1 Pack/Case
22010	0.2 ml Rigid 96-Well µltra Plate	🔘 Yellow	25 Plates/Pack, 1 Pack/Case
22170	0.2 ml Rigid 96-Well µltra Plate	Purple	25 Plates/Pack, 1 Pack/Case
37860	0.2 ml Rigid 96-Well µltra Plate	Black	25 Plates/Pack, 1 Pack/Case
37870	0.2 ml Rigid 96-Well µltra Plate	O White	25 Plates/Pack, 1 Pack/Case

Optimized for Applied Biosystem's fast PCR systemsPCR results in 25 minutes when used with the 9800

· Real-time PCR results in 40 minutes when used

- Low profile and thin-wall design reduce cycle times
- Ultra-clear wells produce optimal signal intensity
- Fits most popular thermal cyclers
- 100 µl working volume

Cat. No.	Description	Plate Color	Packaging
38900	96-Well Fast Plate	O Natural	25 Plates/Pack, 4 Packs/Case
38800	96-Well Fast Plate	O Natural	25 Plates/Pack, 1 Pack/Case
30350	96-Well Fast Plate	🔿 White	25 Plates/Pack, 1 Pack/Case

• Real-time PCR compatible

with the 7500

- · Raised rim perimeter for aligning purification plates
- Skirt allows robotic handling and sample labeling
- Optional bar coding available

Cat. No.	Description	Plate Color	Packaging
74370	0.2 ml 96-Well Semi-Skirt Plate	Natural	25 Plates/Pack, 4 Packs/Case
74310	0.2 ml 96-Well Semi-Skirt Plate	O Natural	25 Plates/Pack, 1 Pack/Case
74330	0.2 ml 96-Well Semi-Skirt Plate	Red	25 Plates/Pack, 1 Pack/Case
74350	0.2 ml 96-Well Semi-Skirt Plate	O Blue	25 Plates/Pack, 1 Pack/Case
74320	0.2 ml 96-Well Semi-Skirt Plate	O Green	25 Plates/Pack, 1 Pack/Case
74340	0.2 ml 96-Well Semi-Skirt Plate	💛 Yellow	25 Plates/Pack, 1 Pack/Case
74360	0.2 ml 96-Well Semi-Skirt Plate	Purple	25 Plates/Pack, 1 Pack/Case
74380	0.2 ml 96-Well Semi-Skirt Plate	Black	25 Plates/Pack, 1 Pack/Case
74390	0.2 ml 96-Well Semi-Skirt Plate	O White	25 Plates/Pack, 1 Pack/Case

96-Well Fast Plate



Semi-Skirt96 Raised Rim PCR Plate





PCR PRODUCTS





Plate

Skirted96 PCR

- · Compatible with most robotics, designed to SBS standards
- Low profile design minimizes condensation and evaporation

Cerified for use with the MegaBACE 1000 DNA Analysis System

- · For use with MJ Research thermal cyclers and MegaBACE 500/1000 DNA Analysis Systems
- Optional bar coding available



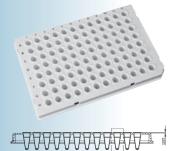
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tes/Pack, 4 Packs/Case
tes/Pack, 1 Pack/Case

96-Well MB Plate



-AAAAAAAAAAAAA

96-Well 480 Plate



- Optimized for the plate-based Roche LightCycler 480
- Ideal for real-time PCR
- Thin walls reduce cycle times.
- SBS standard dimensions
- 100% QC
- 100 µl working volume
- Optional bar coding available

Cat. No.	Description	Plate Color	Packaging
38870	96-Well 480 Plate, White	O White	25/Pack, 4 Packs/Case

Raised tube rims minimize the risk of well-to-well contamination
Rigid design minimizes warp

Cat. No.	Description	Plate Color	Packaging
28110	96-Well MB plate	Natural	25/Plates/Pack, 2 Packs/Case
28170	96-Well MB plate	Red	25/Plates/Pack, 2 Packs/Case
28130 Case	96-Well MB plate	O Blue	25/Plates/Pack, 2 Packs/
28190	96-Well MB plate	O Green	25/Plates/Pack, 2 Packs/Case
28150	96-Well MB plate	🚫 Yellow	25/Plates/Pack, 2 Packs/Case
28290	96-Well MB plate	Purple	25/Plates/Pack, 2 Packs/Case

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µltraAMP™ PCR Plates

384-Well NX Plate



ГТАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛАЛА

- · Compatible with most robotic platforms
- Designed to SBS standards
- Rigid skirt for gripping by robotic plate handlers
- Minimal warp and shrinkage after thermal cycling
- Optional bar coding available

Cat. No.	Description	Plate Color	Packaging
39690	384-Well NX plate	O Natural	50 Plates/Pack, 2 Packs/Case
39620	384-Well NX plate	 Natural 	50 Plates/Pack, 1 Packs/Case
37910	384-Well NX plate	O Red	50 Plates/Pack, 1 Packs/Case
37920	384-Well NX plate	O Blue	50 Plates/Pack, 1 Packs/Case
37930	384-Well NX plate	O Green	50 Plates/Pack, 1 Packs/Case
37940	384-Well NX plate	O Yellow	50 Plates/Pack, 1 Packs/Case
37960	384-Well NX plate	Purple	50 Plates/Pack, 1 Packs/Case
37970	384-Well NX plate	Black	50 Plates/Pack, 1 Packs/Case
37980	384-Well NX plate	O White	50 Plates/Pack, 1 Packs/Case

- Fits Roche LightCycler 480 real-time plate-based PCR System
- Opaque wells prevent well-to-well light contamination
- White finish amplifies signal
- Designed to SBS standards
- Minimized warp and bowing for robotic handling
- 30 µl working volume
- Seal with optically clear real-time PCR film (sold separately), Cat. No. 36590. Or try the new real-time pressure seal, Cat. No. 26500 (sold separately).
- Optional bar coding available. Sequence can be specified, 1 case minimum order quantity required.

Cat. No.	Description	Plate Color	Packaging
38820	384-Well 480 Plate, White	O White	50 Plates/Pack, 2 Packs/Case

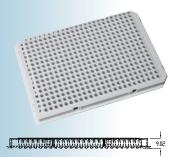
Bar Coded Plates



PCR plates are available with a low cost barcoding option. Choose any bar code symbology such as code 39 or code 128. Labels are resistant to many solvents, such as DMSO and withstand the temperature extremes of thermal cycling and freezing at -80°C. Available for Semi-Skirt96, Skirted96, 96-well 480, and all 384-well plates.

Cat. No.	Description	Plate Color	Packaging
74300	0.2 ml 96-Well Semi-Skirted Raised Rim Plate, Bar Coded	O Natural	25 Plates/Pack, 4 Packs/Case
30950	0.2 ml 96-Well Skirted Plate, Bar Coded	 Natural 	25 Plates/Pack, 4 Packs/Case
38880	96-Well 480 plate, Bar Coded	O White	25 Plates/Pack, 4 Packs/Case
31030	384-Well NX plate, Bar Coded	O Natural	50 Plates/Pack, 1 Pack/Case
38830	384-Well 480 plate, Bar Coded	O White	50 Plates/Pack, 2 Packs/Case

384-Well 480 Plate





µltraAMP™ PCR Plates Compatibility Chart

	96 Well µltra Plate	96 Well Fast Plate	Semi-Skirt96 Raised Rim Plate	Skirted96 Plate	96-Well MB Plate	96-Well 480 Plate	384-Well NX Plate	384-Well 480 Plate
Real Time PCR Thermal Cyclers (qPCR Compatible)								
Applied BioSystems								
7000								
7300								
7500								
7700								
7900HT								
StepOne								
BioRad								
iCycler								
MyiQ								
iQ5								
Eppendorf								
Mastercycler ep RealPlex								
MJ Research								
Opticon								
Opticon 2								
Chromo 4								
Roche LightCycler 480 Instrument, 96-well								
LightCycler 480 Instrument, 384-well								
Stratagene								
Mx4000								
Mx3000								
Techne								
Quantica								
PCR Thermal Cyclers								
Applied BioSystems								
Veriti								
9600								
9700								
9800 Fast	-		-		-		-	
2700/2720		-						
	-						-	
BioMetra	-		-	-	-			
		-						
Uno II		_			_		_	
T1 ThermoCycler		_		•	_		_	
Tgradient				-				
Trobot								
Corbett Research Palm Cycler 96			1.1					
Palm Cycler 384								



	96 Well µltra Plate	96 Well Fast Plate	Semi-Skirt96 Raised Rim Plate	Skirted96 Plate	96-Well MB Plate	96-Well 480 Plate	384-Well NX Plate	384-Well 480 Plate
PCR Thermal Cyclers (continued)								
Eppendorf								
MasterCycler								
MasterCycler ep								
MasterCycler M384								
PTC-100								
PTC-200								
PCT- 225 Tetrad								
Dynad/Disciple								
RoboCycler			_					
TouchGene Gradient (TC512)								
Genius (TC412)								
TouchGene X	1.1		1.1					
Flexi	_		_	_	_		_	
Gene								
Genius								
ThermoHybaid								
PCR Sprint								
PCR Express								
Multi Block System								
Touchdown								
Omnigene								
Omn-E								
рхе								
px2								
TaKaRa								
TP240								
TP3000								
Sequencers								
Applied Biosystems								
310								
3100								
3130				-				
3700								
3730/3730x								
Amersham				_	-		-	
Megabace 500								
Megabace 1000				-				
MegaBace 4000							-	
MJ Research BaseStation								
Transgenomics								
Wave System								
wave bystem				-				

PCR PRODUCTS



µltraAMP[™] PCR Plate and Tube Sealers



µltra**Amp**...

PCR Plate and Tube Sealing Options

PCR plates have slightly raised rims on wells for optimum sealing. Adhesive seals and cap strips prevent evaporation during thermal cycling or storage. Sealing mats can be reused up to five times and achieve complete sealing with screw/clip-down hot lid thermal cyclers.



µltraAMP[™] PCR Plate and Tube Sealers

Aluminum PCR Plate Seal	 Seals all types of plates Chemical resistant Effective -80°C to + 120°C 		
ISS.	Cat. No.	Description	Packaging
	36890	Aluminum PCR Plate Seal	100 Seals/Case
Clear PCR Plate Seal			
	 Seals most plates Rated from -40°C to +125°C Polypropylene 		
	Cat. No.	Description	Packaging
	36190	Clear PCR Plate Seal	100 Seals/Case
Real Time			
PCR Plate Seal	 Optically clear for Real-Time PCR Fits most popular PCR plates 		
	 Recommended for use between -40° 	°C and +120°C	
	Cat. No.	Description	Packaging
	36590	Real Time PCR Plate Seal	100 Seals/Case
Real Time			
PCR Plate Pressure Seal	 High quality pressure seal Optically clear for Real-Time PCR 	Easy positioningFits most popular PCR plates	
Pressure Seal	Ultra Clear	• Fits most popular Pon plates	
	Cat. No.	Description	Packaging
	26500	Real Time PCR Plate Pressure Seal	100 Seals/Case
PCR Plate			
Silicone Sealing Mat	 Fits most popular PCR plates Minimizes evaporation in PCR and st 	orado	
P	 Reusable up to 5 times 	orage	
	Cat. No.	Description	Packaging
	26520	PCR Plate Silicone Sealing Mat	10 Mats/Case
Cap Strips			
	Flat caps are ideal for real-time PCRCaps are easy to apply	• FIL 90-WEIL PLATES AND HITRASTRIPS	
And the second s	Cat. No.	Description	Packaging
The second	37990	Optically Clear Flat Cap Strips, Natural	250 Cap Strips/Case
	38780	Domed Cap Strips, Natural	250 Cap Strips/Case

PCR PRODUCTS

PCR Tubes

0.2 ml PCR µltraStrips



- Eight 0.2 ml tubes with dual connectors between reaction tubes and caps for added strength
- Thin-wall design provides maximum PCR efficiency
- Easily cut for use as individual tubes

Cat. No.	Сар Туре	Color	Packaging	Quantity
38790*	None	O Natural	Non-Sterile, Bagged	250 Tube Strips/Bag, 1 Bag/Case
37350	Flat, Optically Clear	O Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
15090	Flat, Optically Clear	O Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 10 Bags/Case
16380	Domed	O Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16280	Domed	O Natural	Sterile, Bagged	24 Tubes & Cap Strips/Bag, 5 Bags/Case
14430	Domed	🔵 Red	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16290	Domed	🔵 Red	Sterile, Bagged	24 Tubes & Cap Strips/Bag, 5 Bags/Case
16400	Domed	O Blue	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16300	Domed	O Blue	Sterile, Bagged	24 Tubes & Cap Strips/Bag, 5 Bags/Case
16410	Domed	🔘 Green	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16310	Domed	🔘 Green	Sterile, Bagged	24 Tubes & Cap Strips/Bag, 5 Bags/Case
16420	Domed	💛 Yellow	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16320	Domed	Yellow	Sterile, Bagged	24 Tubes & Cap Strips/Bag, 5 Bags/Case

* 38790 is tube strip only, cap strip available separately.

0.2 ml Single PCR Tubes with Attached Caps

- Attached cap minimizes risk of carry-over contamination
- Thin-wall design provides maximum PCR efficiency
- Fits most popular thermal cyclers

Cat. No.	Сар Туре	Color	Packaging	Quantity
16950	Flat, Optically Clear	O Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
16960	Flat	🔵 Red	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
16970	Flat	O Blue	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
16980	Flat	O Green	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
16990	Flat	🔘 Yellow	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
23190	Domed	O Natural	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
14720	Domed	O Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case

0.65 ml PCR µltraTubes with Attached Caps



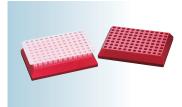
• Thin-wall design provides maximum PCR efficiency

- Frosted surfaces on the cap and side wall for sample identification
- Fits most popular thermal cyclers and thermal cyclers

Cat. No.	Сар Туре	Color	Packaging	Quantity
15160	Flat, Optically Clear	O Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case



Freeze Block



Anodized aluminum Freeze Blocks maintain temperature at 0°C for one hour after freezing and provide a stable platform for PCR reaction set-up. Fits 0.2 ml PCR tubes, tube strips or 96-well PCR plates.

Cat. No. Packaging	Description	Plate Color	
13280	Freeze Block	Red	1 Block/Case

DeepWell Plates



- 1.2 ml plates have round wells
- 2.2 ml plates have square wells
- Plates and mats have an alphanumeric grid reference for easy sample identification
- Autoclavable

Cat. No. Packaging	Description	Plate Color	Plate Color				
23180	1.2 ml DeepWell Plate, Sterile	O Natural	20/Case				
23150	1.2 ml DeepWell Plate	O Natural	20/Case				
23170	2.2 ml DeepWell Plate, Sterile	Natural	20/Case				
23130	2.2 ml DeepWell Plate	O Natural	20/Case				
23140	Cap Mat for 2.2 ml DeepWell Plates	O Natural	20/Case				
23160	Cap Mat for 1.2 ml DeepWell Plates	Natural	20/Case				

PCR PRODUCTS



Reagent Reservoirs



Mµlti Reagent Reservoirs – Single channel to 16-channel pipettor reservoirs

- Designed to accommodate all types of pipettors
- Graduation marks on interior wall
- Lot certified RNase/DNase-free and non-pyrogenic
- Made of FDA grade plastic
- Pour-off spouts on each corner
- Sterility validated to 10⁻⁶

		Cat. No.	Volume	Sterile	Material	Packaging/Quantity	Cases/Pallet
V-Bottom Reservoirs		39900	25 ml	Yes	Polystyrene	Individually Wrapped, 100/Case	72
		39910	25 ml	Yes	Polystyrene	5 Reservoirs/Pack, 40 Packs/Case	72
	55 ml	39920	25 ml	No	Polystyrene	Bulk, 100/Case	162
		39930	55 ml	Yes	Polystyrene	Individually Wrapped, 80/Case	72
		39940	55 ml	Yes	Polystyrene	5 Reservoirs/Pack, 32 Packs/Case	72
100	25 ml	39950	55 ml	No	PVC (Clear)	Bulk, 100/Case	162
100 ml		39960	100 ml	Yes	Polystyrene	Indivdually Wrapped, 100/Case	60
		39970	100 ml	Yes	Polystyrene	5 Reservoirs/Pack, 40 Packs/Case	60
		39980	100 ml	No	Polystyrene	Bulk, 100/Case	162





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10420	7	15090	32	23150	33	36890	31	70710	10	30470T	9
10460	7	15100	13	23160	33	37350	32	70720	10	30510T-X	5
10470	10	15110	13	23170	33	37360	26	70730	11	30510-X	5
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11210	19	16280	32	27780	9	37970	27	74330	25	38000T	5
11210	20	16290	32	27790	9	37980	27	74340	25	39640T	20
11430	20 19	16300	32	28110	26	37990	31	74350	25	73750T	23
11450	19	16310	32	28130	26	38000	5	74360	25	73760T	23
		16320	32	28150	26	38160	34	74370	25	73770T	23
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