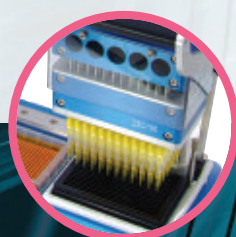


RESEARCH GRADE

LIQUID HANDLING PRODUCTS

2013/2014 CATALOG



Sorenson[™]
BioScience, Inc.

www.sorbio.com



Sorenson BioScience, Inc. is a manufacturer of disposable plastic liquid handling products. Located in Salt Lake City, Utah, Sorenson was founded in 1981 as Multi Technology, Inc. The company rapidly became an innovator in the manufacture of liquid handling products for scientific research. Stressing quality in every product, Multi began developing features that provided greater accuracy and reproducibility for the most exacting fields of science.

In 1991, Multi joined the Sorenson group of companies and became Sorenson BioScience, Inc. In April of 2003, Sorenson BioScience, Inc. became an ISO 9001:2000 registered company. Today, Sorenson is known for its high quality products and continued manufacturing excellence.

Visit Sorenson BioScience at **www.sorbio.com** to access the latest information on Sorenson BioScience and its products.

Included on the web site are Sorenson's full product offering, the latest products and photographs, product specification sheets, lot certificates, chemical compatibility information, product search wizard, literature library including validation studies, and frequently asked questions. Visit **www.sorbio.com** for these things, and more.

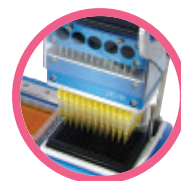
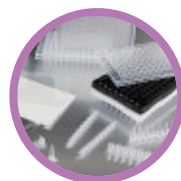




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Pipette Tip Packaging Options

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:

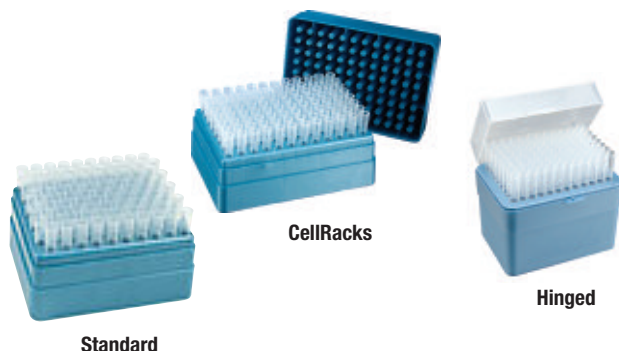


Bulk Tips

1,000 loose tips packaged in resealable bags*

- Available Tips: Wide selection

**1,000 μ l 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 l) tips, and traditional 1000 μ l 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



TipStation – Multichannel Pipetting Platform

- 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 µl LongReach; 200 µl Standardization; 300 µl NX; and 1000 µl XT (50-1250 µl)



QuickRack Environmental Packaging

- Quickly loads 96 tips into empty racks
- Compatible with most manufacturers' racks
- Reduces waste
- Available Tips: 10 µl LongReach; 200 µl Standardization; 300 µl NX; and 1000 µl XT (50-1250 µl)



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 O.D.) tips
 - Yellow racks – Flat (0.37 mm O.D.) tips
 - Blue racks – Flat (0.17 mm O.D.) tips
- MultiFlex™ (1-200 µl) gel loading tips are available bulk (round) and racked (round and flat)
- MultiFlex E (0.5-10 µl) gel loading tips are available racked (round and flat)
- MiniFlex (0.1-10 µl) gel loading tips are available racked (round and flat)



MultiGuard™ Barrier Tips



- 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

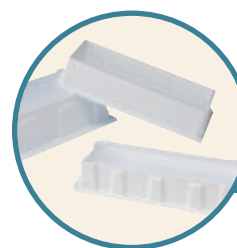
MultiGuard Barrier Tips effectively block aerosols without the risk of contaminating your sample with additives.

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

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



OneTouch Barrier Tips:
See page 6.



Reservoirs:
See page 38.

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!

Conventional low retention tips bind the sample



Low-binding tips dispense the entire sample



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.











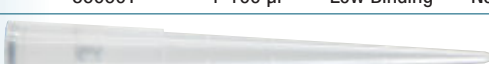

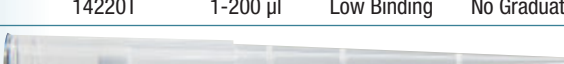

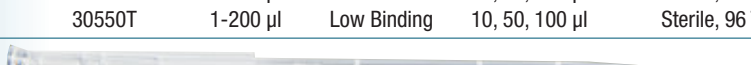



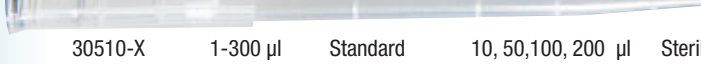



Results: Low binding tips experience as much as a tenfold decrease in DNA binding compared to conventional tips and a fourfold decrease in bound DNA compared to the best low retention tips. Performance is not compromised after autoclaving (data not shown).

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 µl of 10 mg/µl bovine serum albumin (New England Biolabs, Beverly, MA). Tips were subsequently washed in 625 µl of ddH₂O 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).



MultiGuard™ Barrier Tips

	Cat. No.	Vol. Range	Type	Graduations	Packaging	Pack Type	Quantity
10 µl ultra G							
	28200	0.1-10 µl	Standard	2, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	28200T	0.1-10 µl	Low Binding	2, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
10 µl LongReach							
	38000	0.1-10 µl	Standard	2, 5, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	38000T	0.1-10 µl	Low Binding	2, 5, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
10 µl E							
	15020	0.5-10 µl	Standard	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	15020T	0.5-10 µl	Low Binding	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
20 µl							
	14210	1-20 µl	Standard	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	14210T	1-20 µl	Low Binding	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
100 µl							
	36060	1-100 µl	Standard	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	36060T	1-100 µl	Low Binding	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
200 µl							
	14220	1-200 µl	Standard	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	14220T	1-200 µl	Low Binding	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
200 µl NX							
	30550	1-200 µl	Standard	10, 50, 100 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	30550T	1-200 µl	Low Binding	10, 50, 100 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
200 µl MultiGuard 3*							
	17370-X	1-200 µl	Standard	10, 50, 100, 200 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	17370T-X	1-200 µl	Low Binding	10, 50, 100, 200 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	<i>* This unique extended length tip allows standardization across a wide range of 20 µl, 50 µl, 100 µl and 200 µl pipettors.</i>						
300 µl XT							
	30510-X	1-300 µl	Standard	10, 50, 100, 200 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	30510T-X	1-300 µl	Low Binding	10, 50, 100, 200 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
1000 µl							
	14200	100-1000 µl	Standard	No Graduations	Sterile, 100 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	14200T	100-1000 µl	Low Binding	No Graduations	Sterile, 100 Tips/Rack		10 Racks/Pack, 5 Packs/Case
1000 µl XT							
	34000	50-1250 µl	Standard	200, 500, 1000 µl	Sterile, 96 Tips/Rack		8 Racks/Pack, 5 Packs/Case

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
- Three tips accommodate a wide range of research-grade pipettors:
 - 10 μ l (1-20 μ l), compatible with most popular 2 μ l, 10 μ l and 20 μ l research-grade pipettors
 - 200 μ l (1-330 μ l), compatible with most popular 200-300 μ l research-grade pipettors
 - 1000 μ l (50-1250 μ l), compatible with most popular 1000 μ l research-grade pipettors



OneTouch-Compatible BenchTop Pipettor: See page 26.

OneTouch Tips

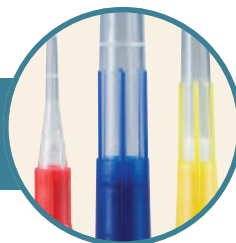
	Cat. No.	Vol. Range	Type	Graduations	Packaging	Pack Type	Quantity
10 µl Standard							
	10300	1-20 µl	Standard	1 µl, 5 µl, 10 µl	Non-Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case
	10310	1-20 µl	Standard	1 µl, 5 µl, 10 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
	10390	1-20 µl	Standard	1 µl, 5 µl, 10 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
10 µl Barrier							
	10320	1-20 µl	Barrier	1 µl, 5 µl, 10 µl	Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case
	10400	1-20 µl	Barrier	1 µl, 5 µl, 10 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
200 µl Standard							
	10330	1-330 µl	Standard	10 µl, 50 µl, 100 µl	Non-Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case
	10340	1-330 µl	Standard	10 µl, 50 µl, 100 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
	10410	1-330 µl	Standard	10 µl, 50 µl, 100 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
200 µl Barrier							
	10350	1-330 µl	Barrier	10 µl, 50 µl, 100 µl	Sterile, 96 Tips/Rack	Cell Rack	10 Racks/Pack, 5 Packs/Case
	10420	1-330 µl	Barrier	10 µl, 50 µl, 100 µl	Sterile, 96 Tips/Rack	e-dek	10 Racks/Pack, 5 Packs/Case
1000 µl Standard							
	10360	50-1250 µl	Standard	200 µl, 500 µl, 1000 µl	Non-Sterile, 96 Tips/Rack	Hinged Rack	8 Racks/Pack, 5 Packs/Case
	10370	50-1250 µl	Standard	200 µl, 500 µl, 1000 µl	Sterile, 96 Tips/Rack	e-dek	8 Racks/Pack, 5 Packs/Case
	10450	50-1250 µl	Standard	200 µl, 500 µl, 1000 µl	Sterile, 64 Tips/Rack	e-dek	12 Racks/Pack, 1 Pack/Case
1000 µl Barrier							
	10380	50-1250 µl	Barrier	200 µl, 500 µl, 1000 µl	Sterile, 96 Tips/Rack	Hinged Rack	8 Racks/Pack, 5 Packs/Case
	10460	50-1250 µl	Barrier	200 µl, 500 µl, 1000 µl	Sterile, 64 Tips/Rack	e-dek	12 Racks/Pack, 1 Pack/Case

Ultra-Micro and Standard Universal Fit Pipette Tips

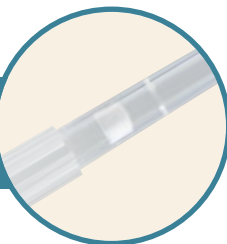
Trust Sorenson brand pipette tips in your research. Tips are manufactured from the finest raw materials using precise production techniques that provide consistent quality performance. Primary products are made from virgin polymers and contain no recycled, reprocessed, or altered plastics.

- 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

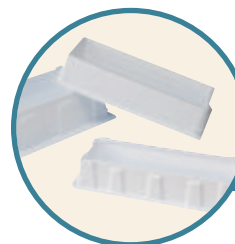
OneTouch Tips:
See page 6.



MultiGuard™ Barrier
Tips: See page 4.



Reservoirs:
See page 38.



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!

Conventional low retention tips bind the sample.



Sorenson low binding tips dispense the entire sample.



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 ddH₂O 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	Type	Color	Graduations	Packaging	Pack Type	Quantity
10 µl ultra G								
	23580	0.1-10 µl	Standard	Natural	2, 10 µl	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case
	23580T	0.1-10 µl	Low Binding	Natural	2, 10 µl	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case
	23560	0.1-10 µl	Standard	Natural	2, 10 µl	Non-Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	23560T	0.1-10 µl	Low Binding	Natural	2, 10 µl	Non-Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	23570	0.1-10 µl	Standard	Natural	2, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	23570T	0.1-10 µl	Low Binding	Natural	2, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	30470	0.1-10 µl	Standard	Natural	2, 10 µl	Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case
	30470T	0.1-10 µl	Low Binding	Natural	2, 10 µl	Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case
	10 µl LongReach							
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		1000 Tips/Bag, 10 Bags/Case
37640		0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/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		0.1-10 µl	Standard	Natural	2, 5, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
37660T		0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
27780		0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile		960 Tips/Stack, 5 Stacks/Case
27780T		0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile		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		10 Decks/Pack, 4 Packs/Case
70600		0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile, 96 Tips/Deck		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
37820		0.1-10 µl	Standard	Natural	2, 5, 10 µl	Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case
37820T		0.1-10 µl	Low Binding	Natural	2, 5, 10 µl	Non-Sterile, Reload		960 Tips/Pack, 5 Packs/Case
10 µl E								
	13980	0.5-10 µl	Standard	Natural	No Graduations	Non-Sterile, Bulk		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	0.5-10 µl	Standard	Natural	No Graduations	Non-Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	22220T	0.5-10 µl	Low Binding	Natural	No Graduations	Non-Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	22210	0.5-10 µl	Standard	Natural	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case
	22210T	0.5-10 µl	Low Binding	Natural	No Graduations	Sterile, 96 Tips/Rack		10 Racks/Pack, 5 Packs/Case

Standard Tips

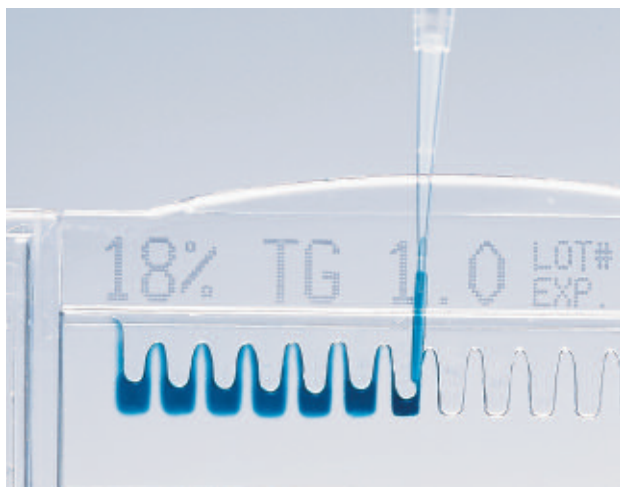
	Cat. No.	Vol. Range	Type	Color	Graduations	Packaging	Pack Type	Quantity
200 µl								
	10470	1-200 µl	Standard	Natural	No Graduations	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case
	10470T	1-200 µl	Low Binding	Natural	No Graduations	Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case
	10500	1-200 µl	Standard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

Standard Tips

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

Gel Loading Tips



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

MultiFlex Tips (1-200 µl):

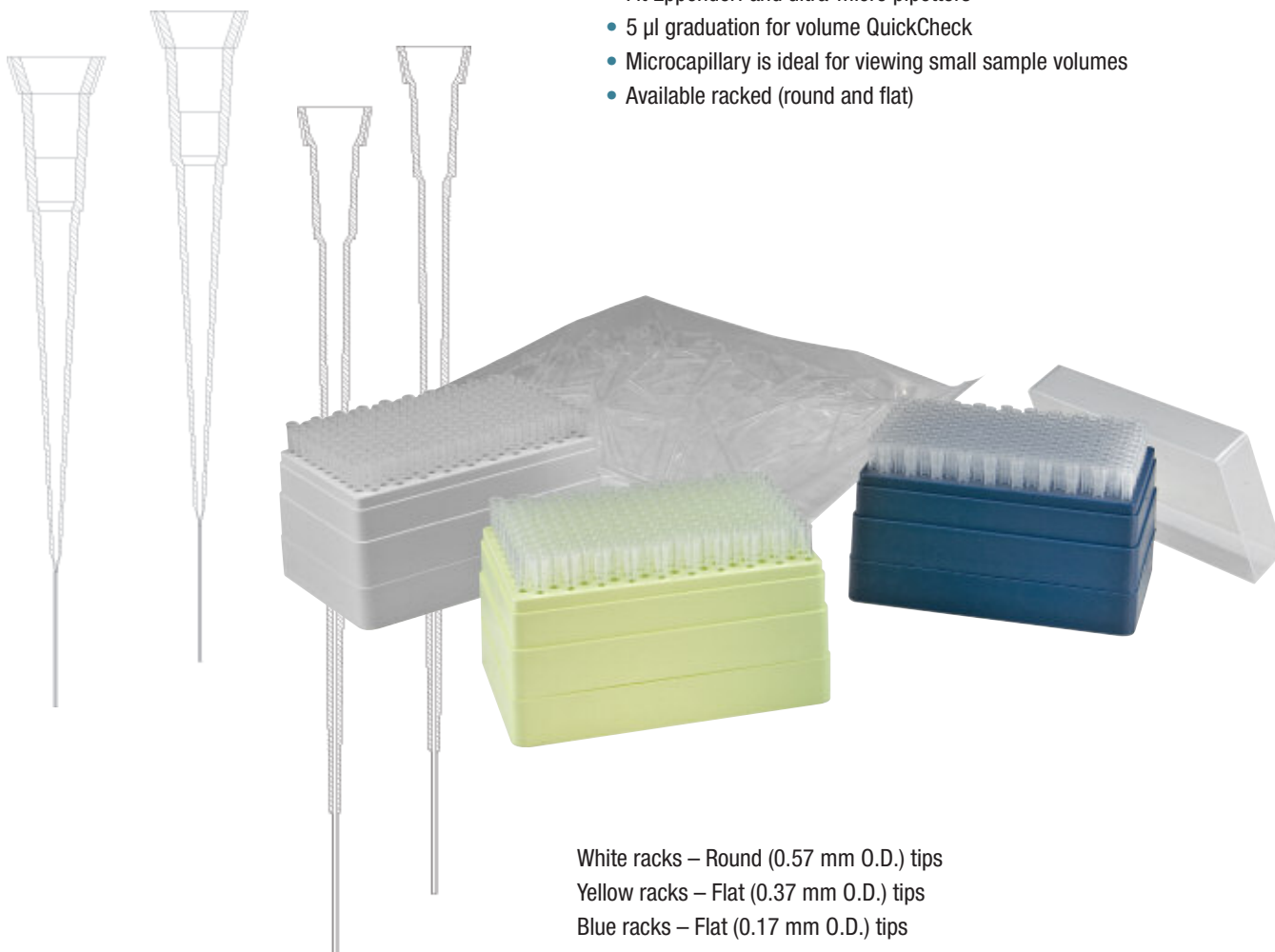
- Universal fit on research-grade pipettors
- 83 mm length for access to bottom of narrow vessels and gel wells
- 5 µl graduation for volume QuickCheck
- Available in bulk (round) and racked (round and flat)

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)














MultiFlex E Tips (0.5-10 µl):

- Fit Eppendorf and ultra-micro pipettors
- 5 µl graduation for volume QuickCheck
- Microcapillary is ideal for viewing small sample volumes
- Available racked (round and flat)



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

Gel Loading Tips

	Cat. No.	Vol. Range	Orifice Shape	Orifice O.D.*	Graduations	Packaging	Pack Type**	Quantity
10 µl MiniFlex 	15100	0.1-10 µl	Round	0.57 mm	2 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	15110	0.1-10 µl	Round	0.57 mm	2 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	15120	0.1-10 µl	Flat	0.37 mm	2 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	15130	0.1-10 µl	Flat	0.37 mm	2 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	17350	0.1-10 µl	Flat	0.17 mm	2 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	17360	0.1-10 µl	Flat	0.17 mm	2 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
10 µl MultiFlex E 	13920	0.5-10 µl	Round	0.57 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	13930	0.5-10 µl	Round	0.57 mm	5 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	13890	0.5-10 µl	Flat	0.37 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	13900	0.5-10 µl	Flat	0.37 mm	5 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	17330	0.5-10 µl	Flat	0.17 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	17340	0.5-10 µl	Flat	0.17 mm	5 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
200 µl MultiFlex 	28480	1-200 µl	Round	0.57 mm	5 µl	Bulk, Non-Sterile		1000 Tips/Bag, 10 Bags/Case
	13790	1-200 µl	Round	0.57 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	13810	1-200 µl	Round	0.57 mm	5 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	13760	1-200 µl	Flat	0.37 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	13770	1-200 µl	Flat	0.37 mm	5 µl	Racked, Sterile		200 Tips/Pack, 4 Packs/Case
	17310	1-200 µl	Flat	0.17 mm	5 µl	Racked, Non-Sterile		200 Tips/Pack, 4 Packs/Case
	17320	1-200 µl	Flat	0.17 mm	5 µl	Racked, Sterile		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 with 0.2 mm gels

**Gel Loading Tip Packaging: an individual pack is a tip rack of 200 tips



Tip Compatibility Chart

Tip Compatibility Chart		Single/ Multichannel Compatibility*	ULTRA-MICRO AND STANDARD TIPS											
			10 µl ultra 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 µl†	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 120 µl	SC/MC					■	■	■	■	■				
eLine Advanced Electronic 300 µl	SC/MC							■	■					
eLine Advanced Electronic 1000 µl	SC										■	■	■	
ePet Electronic 10 µl	SC/MC	■	■	■	■									
ePet Electronic 100 µl	SC					■	■	■	■	■				
ePet Electronic 100 µl	MC					■								
ePet Electronic 250 µl	MC					■	■							
ePet Electronic 1000 µl	SC										■	■	■	
ProLine Electronic 10 µl	SC	■		■										
ProLine Electronic 100 µl	SC/MC					■	■	■	■	■				
ProLine Electronic 250 µl	SC					■	■	■	■	■				
ProLine Electronic 250 µl	MC							■	■	■				
ProLine Electronic 1000 µl	SC										■	■	■	
Eppendorf														
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.

[illegible]



Tip Compatibility Chart

(continued)

Eppendorf (continued)

	Single/ Multichannel Compatibility*	10 µl ultra 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 µl†	1000 µl XT	1000 µl OneTouch
Research Pro 300 µl	MC					■							
Research Pro 1000 µl	SC										■	■	■
Research Plus 10 µl	SC	■	■	■	■								
Research Plus 10 µl	MC	■	■	■									
Research Plus 200 µl	SC					■	■	■	■	■			
Research Plus 300 µl	MC						■	■					
Research Plus 1000 µl	SC										■	■	■

Gilson

Pipetman 10 µl	SC	■	■	■	■								
Pipetman 20 µl	SC					■	■			■			
Pipetman 100 µl	SC					■	■			■			
Pipetman 200 µl	SC					■	■	■	■	■			
Pipetman 1000 µl	SC										■	■	■
Pipetman Neo 2 µl	SC	■	■	■	■								
Pipetman Neo 10 µl	SC	■	■	■	■								
Pipetman Neo 100 µl	SC					■	■			■			
Pipetman Neo 200 µl	SC					■	■	■	■	■			
Pipetman Neo 1000 µl	SC										■	■	■
Pipetman Ultra 100 µl	SC					■	■			■			

Labnet

Labpette 2 µl	SC	■	■	■	■								
Labpette 10 µl	SC/MC	■	■	■	■								
Labpette 20 µl	SC					■	■	■	■	■			
Labpette 50 µl	MC					■	■	■	■	■			
Labpette 100 µl	SC												
Labpette 200 µl	SC					■	■	■	■	■			
Labpette 200 µl	MC					■	■	■	■	■			
Labpette 300 µl	MC					■	■	■	■	■			
Labpette 1000 µl	SC										■	■	■

Rainin

Pipet-Plus Latch Mode 2 µl	SC	■		■	■								
Pipet-Plus Latch Mode 10 µl	SC	■	■	■	■								
Pipet-Plus Latch Mode 20 µl	SC					■	■			■			
Pipet-Plus Latch Mode 100 µl	SC					■	■						
EDP 10 µl	SC	■		■	■								
EDP 20 µl	SC					■	■			■			
EDP 25 µl	SC					■	■			■			
EDP 100 µl	SC					■	■	■	■	■			
EDP 200 µl	SC					■	■	■		■			
EDP 250 µl	SC							■	■	■			
EDP 1000 µl	SC										■	■	■

Socorex

Acura 2 µl	SC	■	■	■	■								
Acura 10 µl	SC/MC			■	■								
Acura 20 µl	SC					■	■			■			
Acura 50 µl	SC/MC					■	■	■		■			
Acura 100 µl	SC					■	■	■		■			
Acura 200 µl	SC/MC					■	■	■	■	■			
Acura 1000 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.

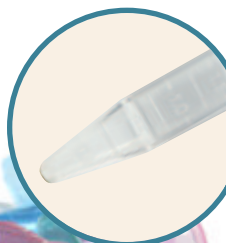
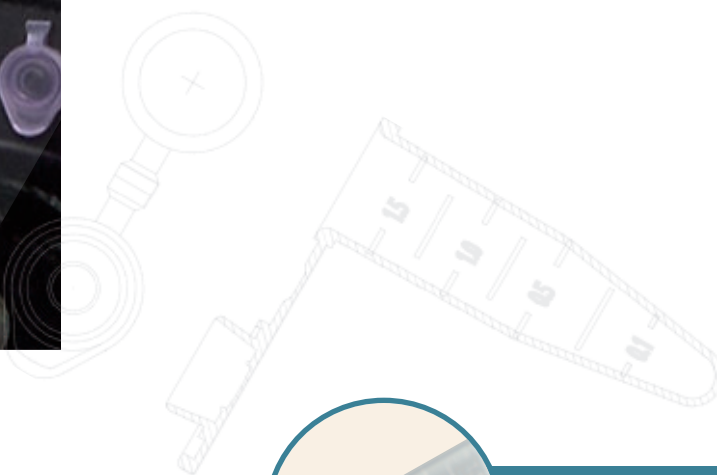
SAFESEAL Microcentrifuge Tubes

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**










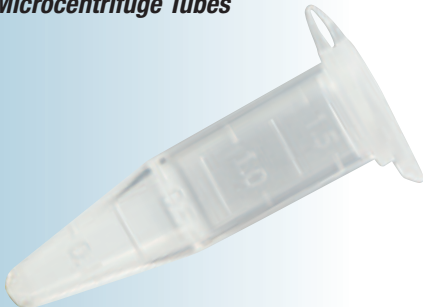

















Glass-like clarity allows easy viewing of sample and pellets. Ideal for high-speed centrifugation, proprietary homopolymer polypropylene tubes are rated up to 24,000 x g. Trust SafeSeal microcentrifuge tubes with your most valuable samples. A positive seal design allows repeated cap closures that will 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.



Low Binding and TabTop Tubes:
See pages 20 and 21.

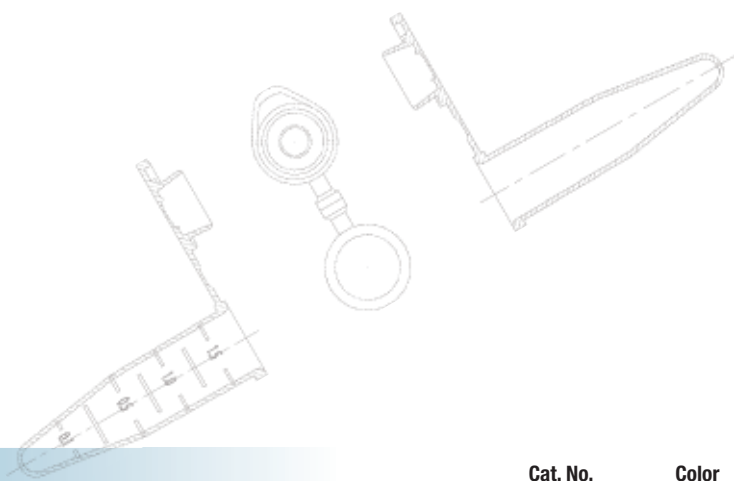


SAFESEAL Microcentrifuge Tubes

	Cat. No.	Color	Packaging	Quantity
0.65 ml SAFESEAL Microcentrifuge Tubes 	11160	 Natural	Non-Sterile, Bulk Pack (Box)	1,000 Tubes/Bag, 10 Packs/Case
	11150	 Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
	11120	 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
	11080	 Green	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	 Rainbow Pack*	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
*Rainbow pack consists of 200 tubes each of red, blue, green, yellow and purple.				
1.7 ml SAFESEAL Microcentrifuge Tubes 	11500	 Natural	Non-Sterile, Bulk Pack (Box)	500 Tubes/Bag, 10 Packs/Case
	11510	 Natural	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11490	 Red	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11430	 Blue	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11450	 Green	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11560	 Yellow	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
	11540	 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 pack consists of 100 tubes each of red, blue, green, yellow and purple.				
2.0 ml SAFESEAL Microcentrifuge Tubes 	12030	 Natural	Non-Sterile, Bulk Pack (Box)	400 Tubes/Bag, 10 Packs/Case
	12000	 Natural	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	11980	 Red	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	11920	 Blue	Non-Sterile, Bulk Bag	400 Tubes/Bag, 10 Bags/Case
	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 pack consists of 80 tubes each of red, blue, green, yellow and 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

	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

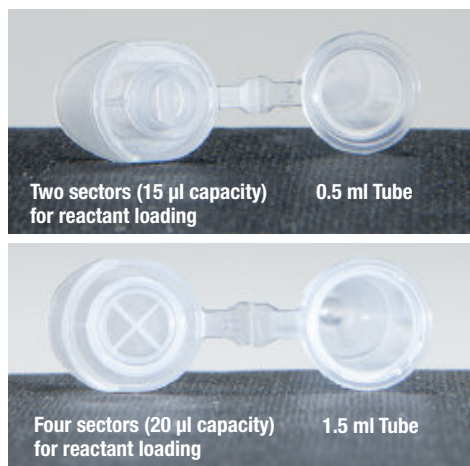
Dolphin Microcentrifuge Tubes



- Ideal design for pelletizing samples
- RCF rating of 15,000 x g
- Temperature rating from -80°C to +121°C
- Will not pop during boiling or freezing
- Fit all standard rotors
- Autoclavable




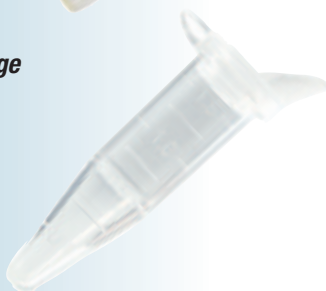





	Cat. No.	Color	Packaging	Quantity
2.0 ml Dolphin Microcentrifuge Tubes	16140	 Natural	Non-Sterile, Bulk	1,000 Tubes/Bag, 5 Bags/Case

TabTop Microcentrifuge Tubes



Vertical tab eases handling of tubes in rotors, racks, heat blocks and baths. Hazardous aerosols are vented out the back of the tube and away from the researcher by pressing the levered TabTop. 0.5 ml tubes feature two sectors (15 µl capacity) and 1.5 ml tubes feature four sectors (20 µl capacity) for reactant loading prior to centrifugation.

- RCF rating of 22,000 x g
- Temperature rating from -80°C to +121°C
- Will not pop during boiling or freezing
- Autoclavable

	Cat. No.	Color	Packaging	Quantity
0.5 ml TabTop Microcentrifuge Tubes 	16890	 Natural	Non-Sterile, Bulk	1,000 Tubes/Bag, 10 Bags/Case
	16130	 Natural	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case
1.5 ml TabTop Microcentrifuge Tubes 	16490	 Red	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case
	16470	 Blue	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case
	16480	 Green	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case
	16510	 Yellow	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case
	16500	 Purple	Non-Sterile, Bulk	500 Tubes/Bag, 10 Bags/Case

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



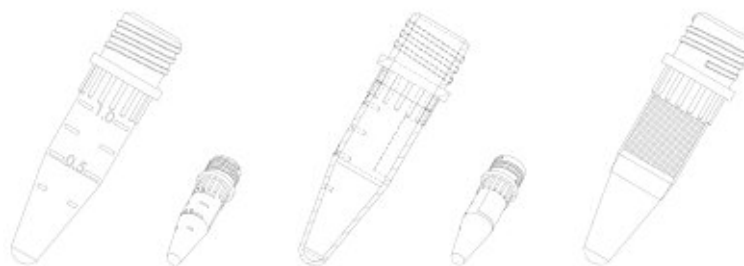
TwistTop Vials



















- Superior clarity.
- RCF rating of 17,000 x g
- Temperature rating from -80°C to + 121°C
- Two full turns of the cap create a reliable seal
- Autoclavable
- Fit all standard rotors
- Ethylene/propylene O-ring in cap for complete sealing
- Taller caps for easier handling

	Cat. No.	Cap Color	Packaging	Quantity
0.65 ml TwistTop Vial, Skirted 	15530	N/A (Caps Not Included)	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12330	 Natural	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12400		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12370	 Red	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12440		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12350	 Blue	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12420		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12360	 Green	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12430		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12380	 Yellow	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12450		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12340	 White	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12410		Pre-Sterilized, Bulk	50 Vials/Bag, 10 Bags/Case
	12390	 Rainbow Pack*	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case

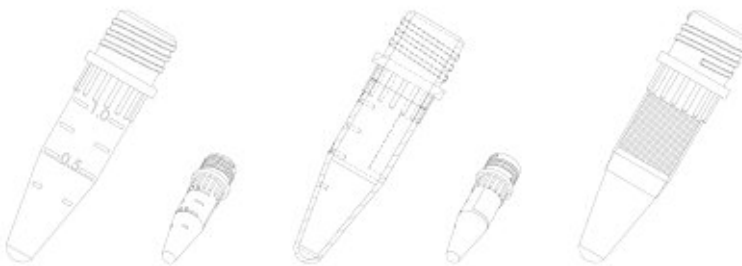
*200 caps of each color are bagged in each case separately.



TwistTop Vials

















	Cat. No.	Cap Color	Packaging	Quantity
1.7 ml TwistTop Vial, Skirted 	15570	N/A (Caps Not Included)	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12470 12540	 Natural Natural	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12510 12580	 Red Red	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12490 12560	 Blue Blue	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12500 12570	 Green Green	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12520 12590	 Yellow Yellow	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12480 12550	 White White	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12530	 Rainbow Pack*	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
1.7 ml TwistTop Vial, Conical 	15590	N/A (Caps Not Included)	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12610 12680	 Natural Natural	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12650 12880	 Red Red	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12630 12700	 Blue Blue	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12640 12710	 Green Green	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12660 12890	 Yellow Yellow	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12620 12690	 White White	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12670	 Rainbow Pack*	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case

*200 caps of each color are bagged in each case separately.

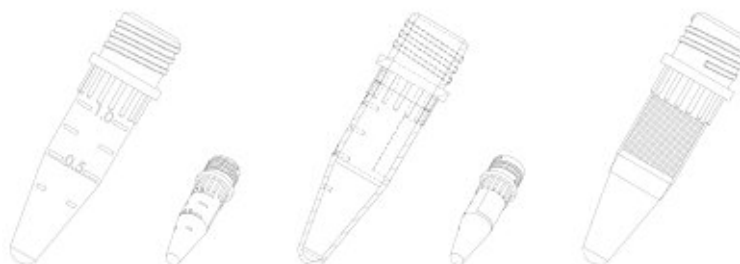




TwistTop Vials

	Cat. No.	Cap Color	Packaging	Quantity
2.0 ml TwistTop Vial, Skirted 	15610	N/A (Caps Not Included)	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	12910 12980	 Natural Natural	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12950 13020	 Red Red	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12930 13000	 Blue Blue	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12940 13010	 Green Green	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12960 13030	 Yellow Yellow	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12920 12990	 White White	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	12970	 Rainbow Pack*	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
2.0 ml TwistTop Vial, Conical 	15630	N/A (Caps Not Included)	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case
	13050 13120	 Natural Natural	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13090 13160	 Red Red	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13070 13140	 Blue Blue	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13080 13150	 Green Green	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13100 13170	 Yellow Yellow	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13060 13130	 White White	Non-Sterile, Bulk Pre-Sterilized, Bulk	500 Vials/Bag, 2 Bags/Case 50 Vials/Bag, 10 Bags/Case
	13110	 Rainbow Pack*	Non-Sterile, Bulk	500 Vials/Bag, 2 Bags/Case

*200 caps of each color are bagged in each case separately.

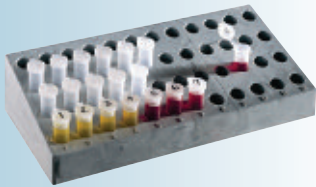


TwistTop Vials

	Cat. No.	Cap Color	Packaging	Quantity
TwistTop Vial Caps 	15490	 Natural	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15410	 Red	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15470	 Blue	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15460	 Green	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15400	 Yellow	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15480	 White	Non-Sterile, Bulk	500 Caps/Bag, 2 Bags/Case
	15510	 Rainbow Pack*	Non-Sterile, Bulk	200 Caps/Bag, 5 Bags/Case

*200 caps of each color are bagged in each case separately.

µlra Racks

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

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 µl; <10% at 5-20 µl
- 250 µl dispensing accuracy: ±4% at 25-250 µl; ±6% at 5-20 µl
- 20 µl dispensing precision: <3% @ 5-20 µl; <5% @ 1-5 µl
- 20 µl dispensing accuracy: ± 3% @ 5-20 µl; ± 5% @ 1-5 µl



Now available in two volume ranges:
20 µl (1-20 µl) and 250 µl (5-250 µl)


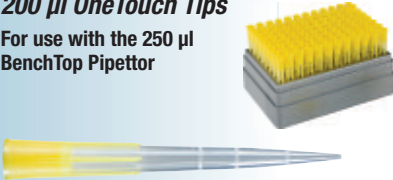



Cat. No.	Description	Volume	Quantity
73990	20 µl BenchTop Pipettor	1-20 µl	1 Unit
74000	20 µl BenchTop Pipettor in hard shell travel case	1-20 µl	1 Unit
73960	250 µl BenchTop Pipettor	5-250 µl	1 Unit
73970	250 µl BenchTop Pipettor in hard shell travel case	5-250 µl	1 Unit

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 l BenchTop Pipette Tip.

	Cat. No.	Description	Quantity
10 μl OneTouch Tips For use with the 20 μ l BenchTop Pipettor 	10300	OneTouch Non-Sterile, 10 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10310	OneTouch Sterile, 10 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10320	OneTouch Sterile, Barrier, 10 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
200 μl OneTouch Tips For use with the 250 μ l BenchTop Pipettor 	10330	OneTouch Non-Sterile, 200 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10340	OneTouch Sterile, 200 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
	10350	OneTouch Sterile, Barrier, 200 μ l Pipette Tip	960 Tips/Pack, 5 Packs/Case
Low Binding 250 μl BenchTop Tips For use with the 250 μ l BenchTop Pipettor 	73750T	250 μ l BenchTop Pipette Tip, Low Binding	960 Tips/Pack, 5 Packs/Case
	73760T	250 μ l BenchTop Pipette Tip, Sterile, Low Binding	960 Tips/Pack, 5 Packs/Case
	73770T	250 μ l 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 μ l and 250 μ l BenchTop Pipettors 	73980	BenchTop Indexing Device	1 Unit



μltraAMP™ PCR Products



μltraAmp™

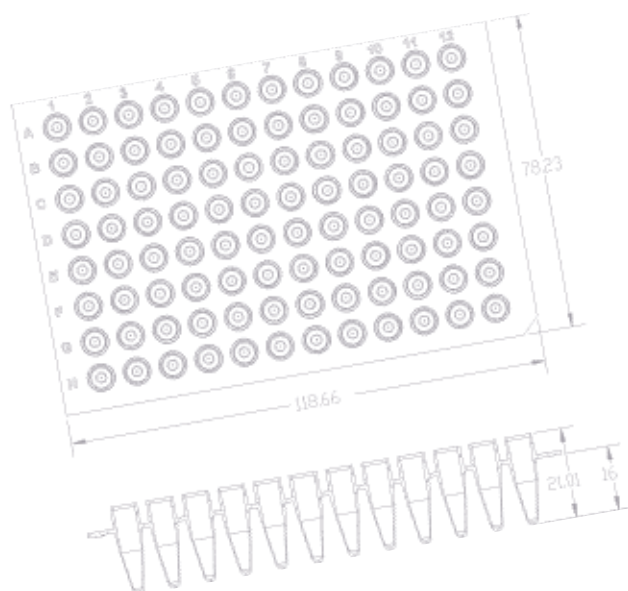
μltraAMP PCR Products

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 μltraStrips, and .65 ml μltraTubes 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.

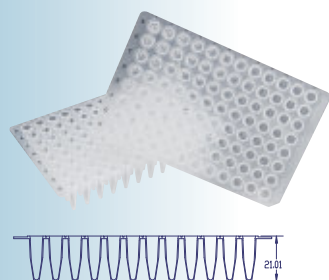
Bold-printed PCR plates fit leading thermal cyclers, DNA sequencing/detection instruments, and Real-Time PCR instruments. Precision-designed molds and tightly controlled processes create high quality plates with minimal warp before and after thermal cycling. Tight manufacturing tolerances and SBS standard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

Trust Sorenson BioScience PCR plates with your most valuable samples. State-of-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.



ultraAMP™ PCR Plates

96-Well ultra 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 ultra Plate	○ Natural	25 Plates/Pack, 4 Packs/Case
21970	0.2 ml Rigid 96-Well ultra Plate	○ Natural	25 Plates/Pack, 1 Pack/Case
21980	0.2 ml Rigid 96-Well ultra Plate	● Red	25 Plates/Pack, 1 Pack/Case
21990	0.2 ml Rigid 96-Well ultra Plate	● Blue	25 Plates/Pack, 1 Pack/Case
22000	0.2 ml Rigid 96-Well ultra Plate	● Green	25 Plates/Pack, 1 Pack/Case
22010	0.2 ml Rigid 96-Well ultra Plate	● Yellow	25 Plates/Pack, 1 Pack/Case
22170	0.2 ml Rigid 96-Well ultra Plate	● Purple	25 Plates/Pack, 1 Pack/Case
37860	0.2 ml Rigid 96-Well ultra Plate	● Black	25 Plates/Pack, 1 Pack/Case
37870	0.2 ml Rigid 96-Well ultra Plate	○ White	25 Plates/Pack, 1 Pack/Case

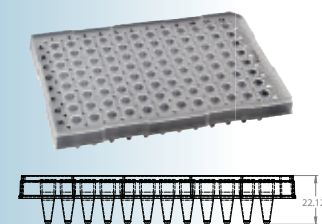
96-Well Fast Plate



- Optimized for Applied Biosystem's fast PCR systems
- PCR results in 25 minutes when used with the 9800
- Real-time PCR results in 40 minutes when used with the 7500
- 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	○ Natural	25 Plates/Pack, 4 Packs/Case
38800	96-Well Fast Plate	○ Natural	25 Plates/Pack, 1 Pack/Case
30350	96-Well Fast Plate	○ White	25 Plates/Pack, 1 Pack/Case

Semi-Skirt96 Raised Rim PCR Plate

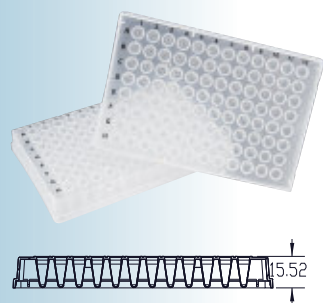


- Real-time PCR compatible
- Raised rim perimeter for aligning purification plates
- Skirt allows robotic handling and sample labeling
- Optional bar coding available

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	○ 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	● Blue	25 Plates/Pack, 1 Pack/Case
74320	0.2 ml 96-Well Semi-Skirt Plate	● 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	○ White	25 Plates/Pack, 1 Pack/Case

ultraAMP™ PCR Plates

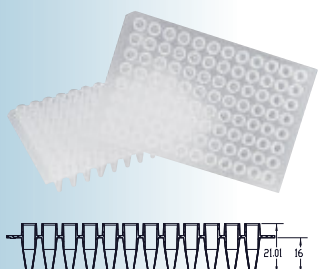
Skirted96 PCR Plate



- Compatible with most robotics, designed to SBS standards
- Low profile design minimizes condensation and evaporation
- For use with MJ Research thermal cyclers and MegaBACE 500/1000 DNA Analysis Systems
- Optional bar coding available

Cat. No.	Description	Plate Color	Packaging
28440	0.2 ml 96-Well Skirted Plate	○ Natural	25/Plates/Pack, 4 Packs/Case
23080	0.2 ml 96-Well Skirted Plate	○ Natural	25/Plates/Pack, 1 Pack/Case
23090	0.2 ml 96-Well Skirted Plate	● Red	25/Plates/Pack, 1 Pack/Case
23100	0.2 ml 96-Well Skirted Plate	● Blue	25/Plates/Pack, 1 Pack/Case
23110	0.2 ml 96-Well Skirted Plate	● Green	25/Plates/Pack, 1 Pack/Case
23120	0.2 ml 96-Well Skirted Plate	● Yellow	25/Plates/Pack, 1 Pack/Case
28410	0.2 ml 96-Well Skirted Plate	● Purple	25/Plates/Pack, 1 Pack/Case
37360	0.2 ml 96-Well Skirted Plate	● Black	25/Plates/Pack, 1 Pack/Case
37370	0.2 ml 96-Well Skirted Plate	○ White	25/Plates/Pack, 1 Pack/Case

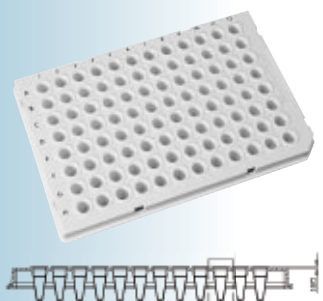
96-Well MB Plate



- Certified for use with the MegaBACE 1000 DNA Analysis System
- 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	96-Well MB plate	● Blue	25/Plates/Pack, 2 Packs/Case
28190	96-Well MB plate	● 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

96-Well 480 Plate

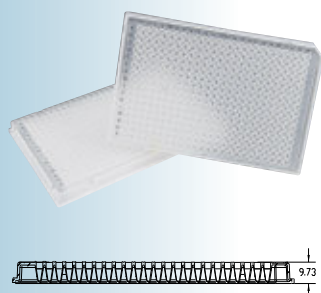


- Optimized for the plate-based Roche LightCycler 480
- Ideal for real-time PCR
- Thin walls reduce cycle times.
- SBS standard dimensions
- 100% QC
- 100 µl working volume
- Optional bar coding available

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

ultraAMP™ PCR Plates

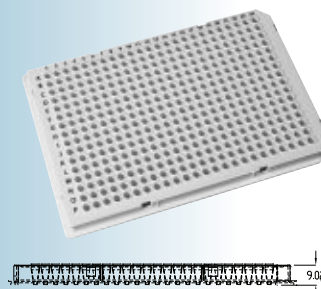
384-Well NX Plate



- 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	○ Natural	50 Plates/Pack, 2 Packs/Case
39620	384-Well NX plate	○ Natural	50 Plates/Pack, 1 Packs/Case
37910	384-Well NX plate	● Red	50 Plates/Pack, 1 Packs/Case
37920	384-Well NX plate	● Blue	50 Plates/Pack, 1 Packs/Case
37930	384-Well NX plate	● Green	50 Plates/Pack, 1 Packs/Case
37940	384-Well NX plate	● 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	○ White	50 Plates/Pack, 1 Packs/Case

384-Well 480 Plate



- 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	○ 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	○ 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	○ White	25 Plates/Pack, 4 Packs/Case
31030	384-Well NX plate, Bar Coded	○ Natural	50 Plates/Pack, 1 Pack/Case
38830	384-Well 480 plate, Bar Coded	○ White	50 Plates/Pack, 2 Packs/Case



ultraAMP™ PCR Plates Compatibility Chart

	96 Well ultra 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)								
<i>Applied BioSystems</i>								
7000	■		■					
7300	■		■					
7500	■	■	■					
7700	■				■			
7900HT		■	■				■	
StepOne		■						
<i>BioRad</i>								
iCycler	■	■		■	■			
MyiQ	■				■			
iQ5	■		■	■	■			
<i>Eppendorf</i>								
Mastercycler ep RealPlex		■		■				
<i>MJ Research</i>								
Opticon	■			■				
Opticon 2	■			■				
Chromo 4	■			■				
<i>Roche</i>								
LightCycler 480 Instrument, 96-well						■		
LightCycler 480 Instrument, 384-well								■
<i>Stratagene</i>								
Mx4000	■	■	■		■			
Mx3000	■		■					
<i>Techne</i>								
Quanta	■			■				
PCR Thermal Cyclers								
<i>Applied BioSystems</i>								
Veriti	■	■	■		■		■	
9600	■		■		■			
9700	■		■		■		■	
9800 Fast		■						
2700/2720	■		■		■		■	
<i>BioMetra</i>								
Uno	■		■	■	■			
Uno II	■	■	■	■	■		■	
T1 ThermoCycler	■	■	■	■	■		■	
Tgradient	■	■	■		■		■	
Trobot	■	■	■	■	■		■	
<i>Corbett Research</i>								
Palm Cycler 96		■	■	■				
Palm Cycler 384							■	



	96 Well ultra 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)								
<i>Eppendorf</i>								
MasterCycler	■	■	■	■	■			
MasterCycler ep	■	■		■	■			
MasterCycler M384				■			■	
PTC-100	■	■	■	■	■		■	
PTC-200	■	■	■		■		■	
PCT- 225 Tetrad	■	■	■	■	■		■	
Dynad/Disciple	■	■	■	■	■		■	
RoboCycler	■				■			
TouchGene Gradient (TC512)	■	■	■	■	■		■	
Genius (TC412)	■		■	■	■			
TouchGene X	■	■	■	■			■	
<i>Flexi</i>								
Gene	■		■	■	■		■	
Genius	■		■	■	■			
<i>ThermoHybaid</i>								
PCR Sprint			■	■				
PCR Express	■	■	■	■	■		■	
Multi Block System	■	■	■	■	■		■	
Touchdown	■	■	■	■	■		■	
Omnigene	■	■	■	■	■		■	
Omn-E	■	■	■	■	■			
pxe	■	■	■	■	■		■	
px2	■	■	■	■	■		■	
<i>TaKaRa</i>								
TP240				■				
TP3000	■			■	■			
Sequencers								
<i>Applied Biosystems</i>								
310	■		■					
3100	■		■	■	■		■	
3130	■			■	■		■	
3700	■			■	■		■	
3730/3730x	■			■	■		■	
<i>Amersham</i>								
Megabace 500				■	■			
Megabace 1000					■			
MegaBace 4000							■	
<i>MJ Research</i>								
BaseStation				■				
<i>Transgenomics</i>								
Wave System				■				

μltraAMP™ PCR Plate and Tube Sealers



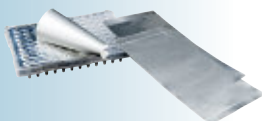
μltraAmp™

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.

ultraAMP™ PCR Plate and Tube Sealers

Aluminum PCR Plate Seal



- Seals all types of plates
- Chemical resistant
- Effective -80°C to + 120°C

Cat. No.	Description	Packaging
36890	Aluminum PCR Plate Seal	100 Seals/Case

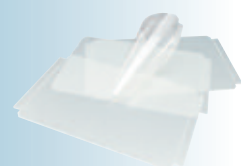
Clear PCR Plate Seal



- Seals most plates
- Rated from -40°C to +125°C
- Polypropylene

Cat. No.	Description	Packaging
36190	Clear PCR Plate Seal	100 Seals/Case

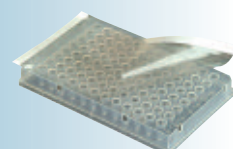
Real Time PCR Plate Seal



- 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

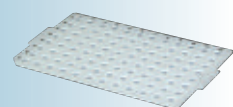
Real Time PCR Plate Pressure Seal



- High quality pressure seal
- Optically clear for Real-Time PCR
- Ultra Clear
- Easy positioning
- Fits most popular PCR 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 storage
- Reusable up to 5 times

Cat. No.	Description	Packaging
26520	PCR Plate Silicone Sealing Mat	10 Mats/Case

Cap Strips



- Flat caps are ideal for real-time PCR
- Caps are easy to apply
- Fit 96-well plates and ultraStrips

Cat. No.	Description	Packaging
37990	Optically Clear Flat Cap Strips, Natural	250 Cap Strips/Case
38780	Domed Cap Strips, Natural	250 Cap Strips/Case

PCR Tubes

0.2 ml PCR *ultraStrips*



- 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.	Cap Type	Color	Packaging	Quantity
38790*	None	○ Natural	Non-Sterile, Bagged	250 Tube Strips/Bag, 1 Bag/Case
37350	Flat, Optically Clear	○ Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
15090	Flat, Optically Clear	○ Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 10 Bags/Case
16380	Domed	○ Natural	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16280	Domed	○ 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	● Blue	Non-Sterile, Bagged	250 Tube & Cap Strips/Bag, 1 Bag/Case
16300	Domed	● 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.	Cap Type	Color	Packaging	Quantity
16950	Flat, Optically Clear	○ 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	● Blue	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case
16980	Flat	● 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	○ Natural	Non-Sterile, Bulk Bag	500 Tubes/Bag, 10 Bags/Case
14720	Domed	○ Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case

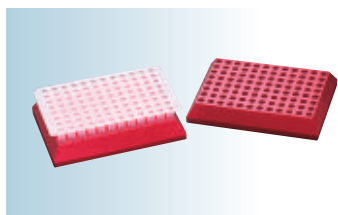
0.65 ml PCR *µ*tubes with Attached Caps



- 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.	Cap Type	Color	Packaging	Quantity
15160	Flat, Optically Clear	○ Natural	Non-Sterile, Bulk Bag	1,000 Tubes/Bag, 10 Bags/Case

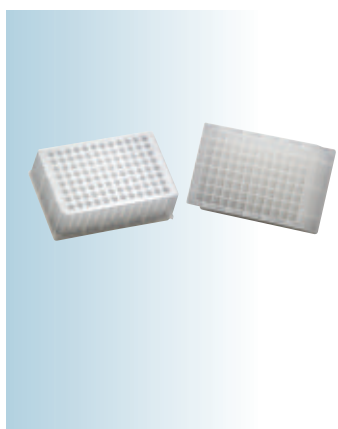
Freeze Block









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.	Description	Plate Color	Packaging
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.	Description	Plate Color	Packaging
23180	1.2 ml DeepWell Plate, Sterile	 Natural	20/Case
23150	1.2 ml DeepWell Plate	 Natural	20/Case
23170	2.2 ml DeepWell Plate, Sterile	 Natural	20/Case
23130	2.2 ml DeepWell Plate	 Natural	20/Case
23140	Cap Mat for 2.2 ml DeepWell Plates	 Natural	20/Case
23160	Cap Mat for 1.2 ml DeepWell Plates	 Natural	20/Case

Reagent Reservoirs



Multi 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}

V-Bottom Reservoirs



Cat. No.	Volume	Sterile	Material	Packaging/Quantity	Cases/Pallet
39900	25 ml	Yes	Polystyrene	Individually Wrapped, 100/Case	72
39910	25 ml	Yes	Polystyrene	5 Reservoirs/Pack, 40 Packs/Case	72
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
39950	55 ml	No	PVC (Clear)	Bulk, 100/Case	162
39960	100 ml	Yes	Polystyrene	Individually 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

New Dual-Basin 25 ml Reservoir



- 5 ml trough fits 4-channel pipettors.
- 10 ml trough fits 8-channel/16-channel pipettors
- Ideal for a 12-channel pipettor for use with two different reagents

Cat. No.	Volume	Sterile	Material	Packaging/Quantity	Cases/Pallet
38160	25 ml	Yes	Polystyrene	Individually Wrapped, 100/Case	72
38170	25 ml	Yes	Polystyrene	5 Reservoirs/Pack, 40 Packs/Case	72
38180	25 ml	No	Polystyrene	Bulk, 100/Case	162

HTS Reservoirs:
See page 27.

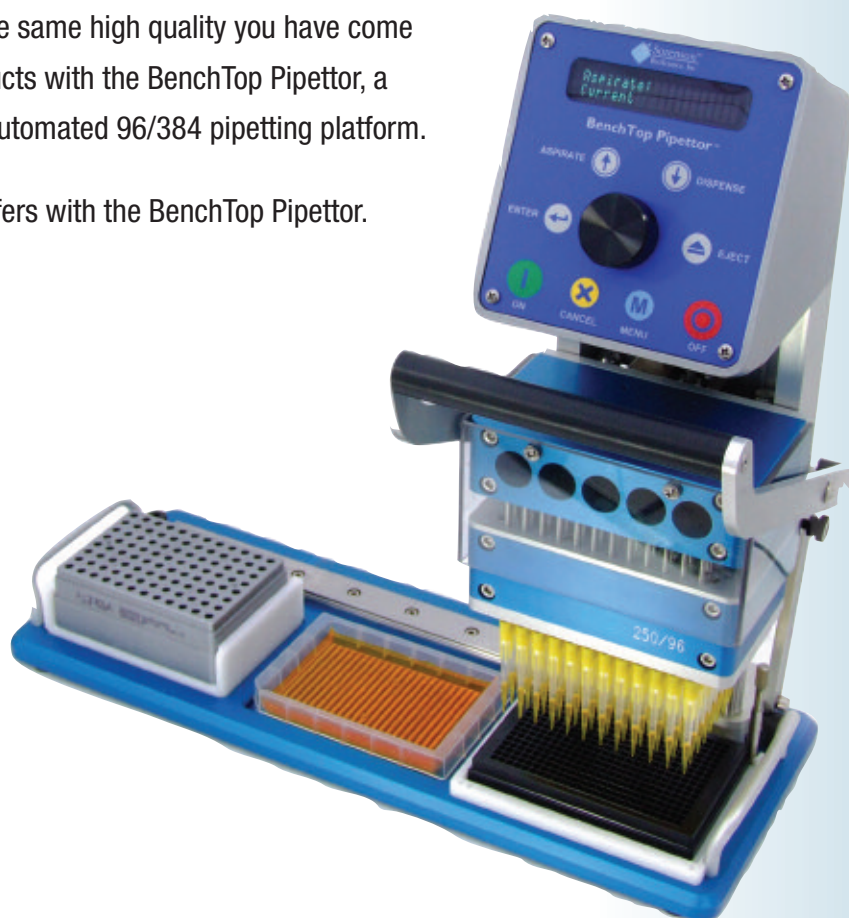




You know us as a liquid handling company, a leading provider of quality plastic consumables. Sorenson products are used in research labs worldwide and include pipette tips, PCR products, microcentrifuge tubes, MultiFlex™ gel loading tips, and the innovative, ergonomic and environmentally-friendly OneTouch tips.

And now, you can expect the same high quality you have come to expect in Sorenson products with the BenchTop Pipettor, a portable, affordable, semi-automated 96/384 pipetting platform.

Accelerate your liquid transfers with the BenchTop Pipettor.



BenchTop Pipettor Ordering
 Information and Details:
 See page 26.



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