**R**ESEARCH **G**RADE

# LIQUID HANDLING PRODUCTS

2024 Catalogue

1111111111

Intern



3 Northern Blvd Suite A1 Amherst NH, 03031 (603)-769-0963 info@sequencebiotech.com



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.





Page

## **Table of Contents**

#### **Pipette Tips**

Pipette Tip Packaging Options	2-3
MµltiGuard™ Barrier Pipette Tips	4-5
OneTouch Pipette Tips	6-7
Ultra-Micro and Standard Universal Fit Pipette Tips	8-11
Gel Loading Pipette Tips 1	2-13
Pipette Tip Compatibility Chart 1	4-17

#### Tubes

SafeSeal Microcentrifuge Tubes	18-19
Low Binding Microcentrifuge Tubes	20

#### **BenchTop Pipettor**

Semi-automated BenchTop Pipettor 22-23
--

#### **PCR Products**

µltraAMP <sup>™</sup> PCR Plates	24-27
µltraAMP PCR Plates Compatibility Chart	28-29
µltraAMP PCR Plate and Tube Sealers	30-31
PCR Tubes and Tube Strips: µltraTubes and µltraStrips	32
Freeze Block, DeepWell Plates	33
Disposable Reagent Reservoirs	34
Index	36



## **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:



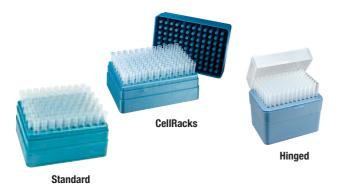


#### **Bulk Tips**

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  $\mu$ I) tips, and traditional 1000  $\mu$ 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  $\mu I$  LongReach; 200  $\mu I$  Standardization; 300  $\mu I$  NX; and 1000  $\mu I$  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  $\mu I$  Ultra G; 10  $\mu I$  LongReach; 200  $\mu I$  Standardization; and 1000  $\mu I$  XT (50-1250  $\mu I)$



a de de de de de

#### **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<sup>™</sup> (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<sup>™</sup> Barrier Tips

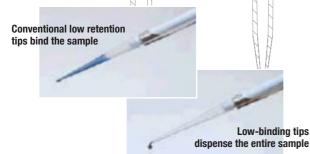




#### LOW BINDING POLYMER TECHNOLOGY

- 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</li>

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  $\mu$ l of ABI Big Dye<sup>®</sup> Terminator Ready Reaction Mix (Applied Biosystems). Tips were subsequently washed in 625  $\mu$ l of ddH<sub>2</sub>O 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  $\mu$ l of 10 mg/ $\mu$ l bovine serum albumin (New England Biolabs, Beverly, MA). Tips were subsequently washed in 625  $\mu$ l of ddH<sub>2</sub>0 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<sup>™</sup> 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 <b>200 µI pipettors.</b>
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<sup>™</sup> 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  $\mu l$  (50-1250  $\mu l$ ), compatible with most popular 1000  $\mu l$  research-grade pipettors



OneTouch-Compatible BenchTop Pipettor: See page 22.



## **OneTouch Tips**

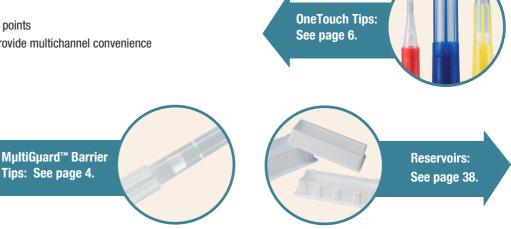
	Cat. No.	Vol. Range	Туре	Graduations	Packaging	Pack Type	Quantity
3 μl Standard	78450 78490	0.1- 3 ul 0.1- 3 ul	Standard Standard	1 ul 1 ul	Non-Sterile, 96 Tips/Rack Sterile, 96 Tips, Rack	Cell Rack	10 Racks/Pack; 5 Packs/Case 10 Racks/Pack; 5 Packs/Case
3 μl Barrier	78510	0.1- 3 ul	Barrier	1 ul	Sterile, 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.

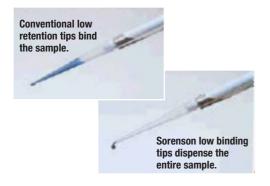
- · Universal fit on research grade pipettors
- Accurate, precise and reliable
- Exceptional clarity
- · Certified free of RNase, DNase, Human DNA and pyrogens
- Extended length tips enable users to reach the bottom of tubes without contaminating pipettors
- · Graduated tips provide visible reference 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<sup>®</sup> Terminator Ready Reaction Mix (Applied Biosystems). Tips were subsequently washed in 625 µl of ddH<sub>2</sub>O 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  $\mu$ l of 10 mg/ $\mu$ l bovine serum albumin (New England Biolabs, Beverly, MA). Tips were subsequently washed in 625  $\mu$ l of ddH<sub>2</sub>0 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	<b>IIIIIII</b>	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

www.sequencebiotech.com



## **Standard Tips**

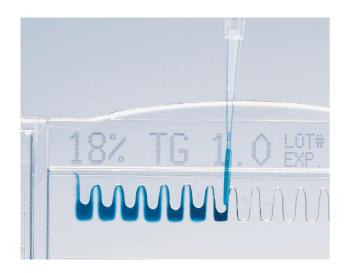
	Cat. No.Vol. Range		Туре	Color	Graduations	Packaging	Pack Type	Quantity
300 µl							Bulk Pack	
NX	31770 31770T	1-300 µl 1-300 µl	Standard Low Binding	Natural Natural	10, 50, 100 μl 10, 50, 100 μl	Non-Sterile, Bulk Non-Sterile, Bulk		1000 Tips/Bag, 10 Bags/Case 1000 Tips/Bag, 10 Bags/Case
	31780 31780T 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<sup>™</sup> 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



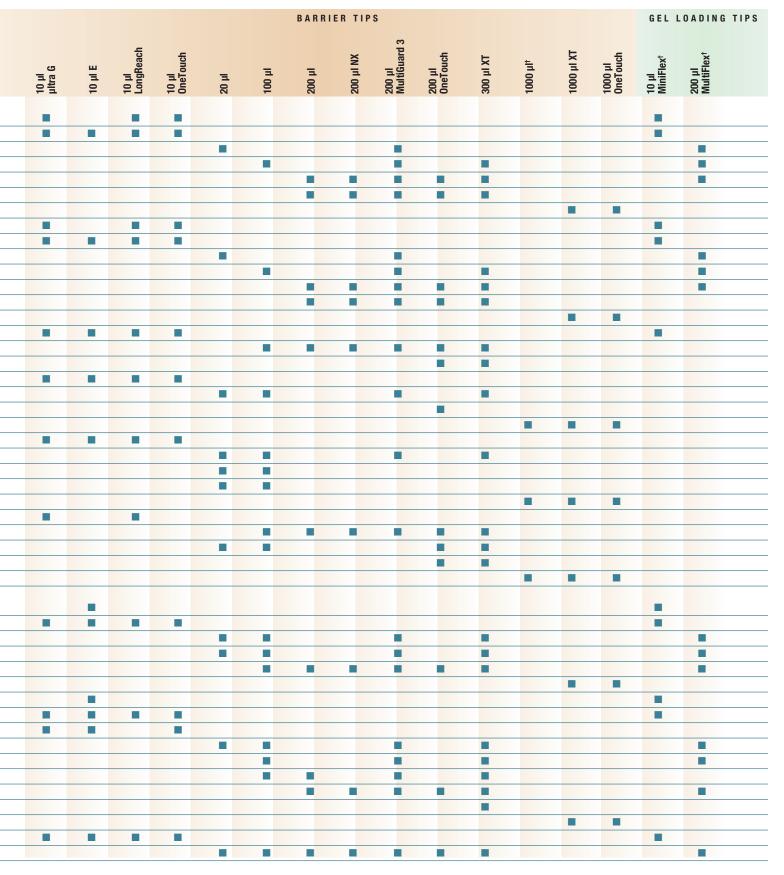
ULTRA-MICRO AND STANDARD TIPS

#### 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



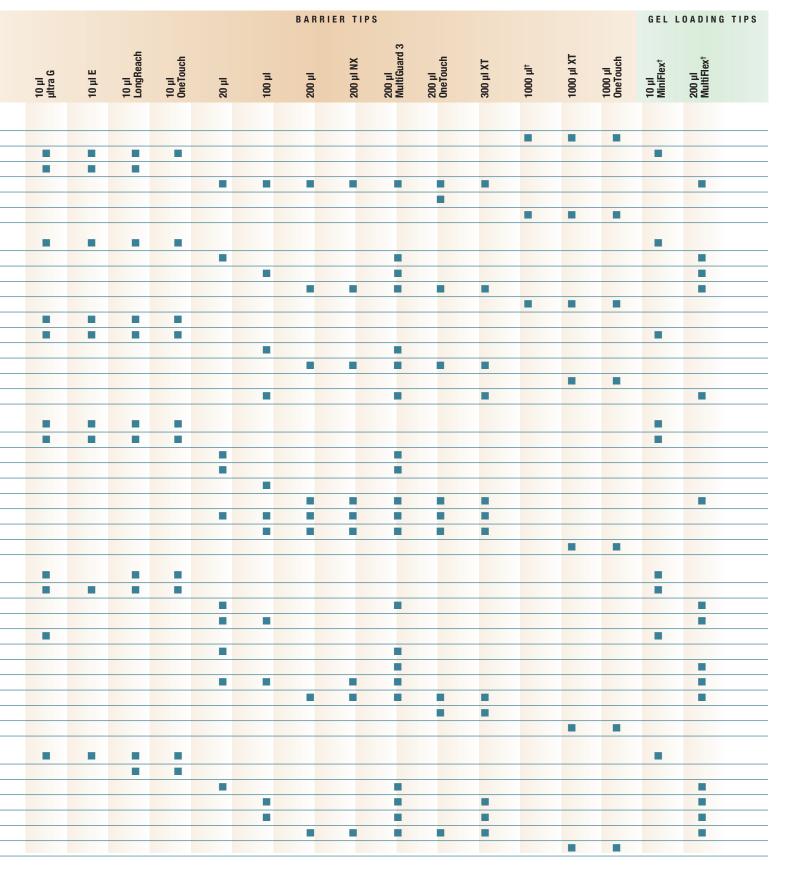
ULTRA-MICRO AND STANDARD TIPS

#### Tip Compatibility Chart

ج ح	(5					ation							
anne ibilit	tra G		ach	- г		diza	- S	×	E		¥	-F	
jle/ tich;	li µt	=	ll gRea	Tour	Ξ	hl	Land	E N	хIц	0 µlt	E 0	Touc	
Sing Mult	10 µ	10 µ	10 µ	10 µ One	200	200 Star	200 One	300	300	100	1000	100( One	
MC													
SC													
SC													
MC													
SC													
MC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC/MC													
SC													
MC													
SC													
SC													
MC													
MC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC													
SC/MC													_
SC										-	_		
SC/MC													
SC/MC													
	SC           SC           MC           SC           MC           SC           SC	MCSCMCSCMCSC <td>MCImage: sector sec</td> <td>MCImage: sec of the sec of the</td> <td>MC       I       I       I         SC       I       I       I         MC       I       I       I         SC       I       I       I         MC       I       I       I         SC       I       I       I         MC       I       I       I         SC       I       I       I</td> <td>NCInterfaceMCInterfaceSCInterfaceSCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInter</td> <td>And biology         South So</td> <td>Number of the second second</td> <td>Normality         Normality         <t< td=""><td>Normal     Normal     Normal     Normal     Normal     Normal       Normal     Normal     Normal     Normal     Normal     Normal       Norm</td><td>MC     MC     &lt;</td><td>Number of the second second</td><td>Mathematical sector         Mathematical sector</td></t<></td>	MCImage: sector sec	MCImage: sec of the	MC       I       I       I         SC       I       I       I         I       I       I	NCInterfaceMCInterfaceSCInterfaceSCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInterfaceMCInterfaceSCInter	And biology         South So	Number of the second	Normality         Normality <t< td=""><td>Normal     Normal     Normal     Normal     Normal     Normal       Normal     Normal     Normal     Normal     Normal     Normal       Norm</td><td>MC     MC     &lt;</td><td>Number of the second second</td><td>Mathematical sector         Mathematical sector</td></t<>	Normal     Normal     Normal     Normal     Normal     Normal       Norm	MC     <	Number of the second	Mathematical sector         Mathematical sector

\*SC = Compatible with single channel pipettors only; MC = compatible with multichannel only; SC/MC = Compatible with either single or multichannel. <sup>†</sup>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.

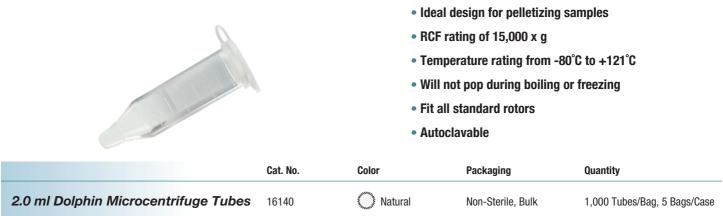


#### Low Binding Microcentrifuge Tubes

- 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  $\mu l$  dispensing precision: <2% at 25-250  $\mu l;$  <10% at 5-20  $\mu l$
- 250  $\mu l$  dispensing accuracy: ±4% at 25-250  $\mu l;$  ±6% at 5-20  $\mu l$
- 20  $\mu l$  dispensing precision: <3% @ 5-20  $\mu l;$  <5% @ 1-5  $\mu l$
- 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 $\mu I$ 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  $\mu$ I BenchTop Pipette Tip.

	Cat. No.	Description	Quantity
<b>10 μl OneTouch Tips</b> 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<sup>™</sup> PCR Products



## µltra**Amp**<sup>™</sup>.

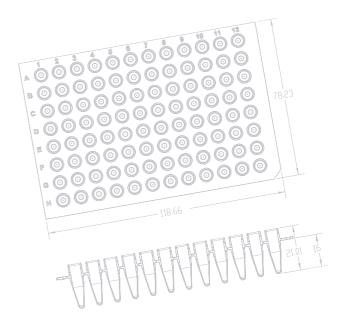
#### **µltraAMP PCR Products**

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  $\mu$ ltraStrips, and .65 ml  $\mu$ 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	<ul> <li>Natural</li> </ul>	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



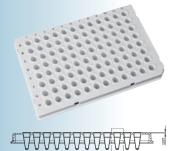
ging
tes/Pack, 4 Packs/Case
tes/Pack, 1 Pack/Case

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

www.sequencebiotech.com



#### 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	<ul> <li>Natural</li> </ul>	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

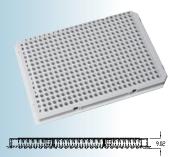
**Bar Coded Plates** 



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	<ul> <li>Natural</li> </ul>	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<sup>™</sup> 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<sup>™</sup> PCR Plate and Tube Sealers

Aluminum PCR Plate Seal	<ul> <li>Seals all types of plates</li> <li>Chemical resistant</li> <li>Effective -80°C to + 120°C</li> </ul>		
ISS.	Cat. No.	Description	Packaging
	36890	Aluminum PCR Plate Seal	100 Seals/Case
Clear PCR Plate Seal			
	<ul> <li>Seals most plates</li> <li>Rated from -40°C to +125°C</li> <li>Polypropylene</li> </ul>		
	Cat. No.	Description	Packaging
	36190	Clear PCR Plate Seal	100 Seals/Case
Real Time			
PCR Plate Seal	<ul> <li>Optically clear for Real-Time PCR</li> <li>Fits most popular PCR plates</li> </ul>		
	<ul> <li>Recommended for use between -40°</li> </ul>	°C and +120°C	
	Cat. No.	Description	Packaging
	36590	Real Time PCR Plate Seal	100 Seals/Case
Real Time			
PCR Plate Pressure Seal	<ul> <li>High quality pressure seal</li> <li>Optically clear for Real-Time PCR</li> </ul>	<ul><li>Easy positioning</li><li>Fits most popular PCR plates</li></ul>	
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	<ul> <li>Fits most popular PCR plates</li> <li>Minimizes evaporation in PCR and st</li> </ul>	orado	
P	<ul> <li>Reusable up to 5 times</li> </ul>	orage	
	Cat. No.	Description	Packaging
	26520	PCR Plate Silicone Sealing Mat	10 Mats/Case
Cap Strips			
	<ul><li>Flat caps are ideal for real-time PCR</li><li>Caps are easy to apply</li></ul>	• 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



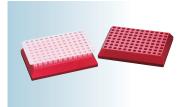
• Thin-wall design provides maximum PCR efficiency

- 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<sup>-6</sup>

		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





## INDEX

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
10040	11	11920	19	16960	32	28440	26	38820	27	10470T	10
10080	11	11940	19	16970	32	28480	13	38830	27	10520T	10
10130	11	11980	19	16980	32	30350	25	38870	26	13980T	9
10190	11	12000	19	16990	32	30430	10	38880	27	14200T	5
10200	11	12020	19	17310	13	30440	10	38900	25	14210T	5
10230	11	12030	19	17320	13	30450	10	39620	27	14220T	5
10300	7	12040	19	17330	13	30460	10	39690	27	15020T	5
10300	23	12060	19	17340	13	30470	9	39900	34	15270T	10
10310	7	12160	20	17350	13	30550	5	39910	34	15660T	10
10310	23	13280	33	17360	13	30800	11	39920	34	15670T	10
10320		13760	13	21970	25	30920	11	39930	34	15720T	10
10320	23	13770	13	21980	25	30930	11	39940	34	17370T-X	5
10330	7	13790	13	21990	25	30950	27	39950	34	17370-X	5
10330	23	13810	13	22000	25	31030	27	39960	34	22210T	9
10340	7	13890	13	22010	25	31610	11	39970	34	22220T	9
10340	23	13900	13	22170	25	31770	11	39980	34	23560T	9
10350	7	13920	13	22210	9	31780	11	70500	9	23570T	9
10350	23	13930	13	22220	9	31790	11	70510	10	23580T	9
10360	7	13980	9	23080	26	34000	5	70520	10	27760T	10
10370	7	14200	5	23090	26	34750	11	70530	11	27770T	10
10380	7	14210	5	23100	26	34760	11	70540	11	27780T	9
10390	7	14220	5	23110	26	34770	11	70600	9	27790T	9
10400	7	14430	32	23120	26	36060	5	70610	10	28200T	5
10400	7	14720	32	23130	33	36190	31	70620	11	30430T	10
10420	7	15020	5	23140	33	36590	31	70700	9	30450T	10
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
10500	10	15120	13	23180	33	37370	26	70740	11	30550T	5
10520	10	15130	13	23190	36	37640	9	73960	22	30800T	11
10520	10	15160	32	23560	9	37650	9	73970	22	30920T	11
10620	10	15170	21	23570	9	37660	9	73980	23	30930T	11
10660	10	15190	21	23580	9	37820	9	73990	22	31770T	11
11060	19	15360	10	26190	29	37860	25	74000	22	31780T	11
11080	19	15370	10	26500	31	37870	25	74010	23	31790T	11
11120	19	15660	10	26520	31	37910	27	74020	23	36060T	5
11120	19	15670	10	27720	10	37920	27	74030	23	37640T	9
11160	19	15720	10	27730	10	37930	27	74300	27	37650T	9
11170	19	15730	10	27760	10	37940	27	74310	25	37660T	9
11190	19	16140	20	27770	10	37960	27	74320	25	37820T	9
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
11490	19 10	16320	32 32	28150 28170	26 26	38160	34 34	74370 74380	25 25	131101	20
11500	19 10	16360		28170	26 26	38180	34 34	74380 74390	25 25		
11510	19 10	16400	32	28190	20 5	38780	34 31	10190T	25 11		
11540	19		32	28200		38780 38790	31	101901 10200T	11		
11560	19	16420	32		26	38790 38800	32 25	102001 10230T	11		
11590	19	16950	32	28410	26	30000	20	102301	11		



TUNAAN

1 11 11 ALAN

3 Northern Blvd Suite A1 Amherst NH, 03031 (603)-769-0963 info@sequencebiotech.com