



Thermo Scientific
QSP Pipette Tips






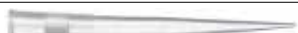


you can handle
anything

Thermo
SCIENTIFIC

Thermo Scientific™ QSP products offer high quality consumables in a complete and innovative portfolio for your evolving liquid transfer and storage needs. Trust our economical solutions for Life Science research. Blending a unique combination of value and performance, QSP consumables are the products you and your research can rely on.

- Large selection of pipette tips for every application requirement.
- Excellent contamination control with small micron filter tips.
- Environmentally friendly packaging options.

Filtered Tips

Tip Volume	Cat. No.	Description	Low Retention	Packaging	Color	Pipette Tip Fits
0.1-10 µl	TF104-10-Q		No	Filtered Sterile	Clear	1
		Universal Fits, Micropoint Tip, Graduated at 2 µl				
	TF102-10-Q	Universal Fits, Extended Length Micropoint Tip Graduated at 2, 5, 10, 20 µl	No	Filtered Sterile	Clear	2
	TFLR102-10-Q	Universal Fits, Extended Length Micropoint Tip, <i>Low Retention</i> , Graduated at 2, 5, 10, 20 µl	Yes			
0.1-20 µl	TF102-20-Q		No	Filtered Sterile	Clear	3
		Universal Fits, Extended Length Micropoint Tip Graduated at 2, 5, 10, 20 µl				
2-20 µl	TF113-20-Q		No	Filtered Sterile	Clear	4
		Universal Fits, Beveled Tip	Yes			
	TFLR113-20-Q	Universal Fits, Beveled Tip, <i>Low Retention</i>	Yes			
10-100 µl	TF113-100-Q		No	Filtered Sterile	Clear	5
		Universal Fits, Beveled Tip	Yes			
	TFLR113-100-Q	Universal Fits, Beveled Tip, <i>Low Retention</i>	Yes			
20-200 µl	TF140-200-Q		No	Filtered Sterile	Clear	6
		Universal Fits, Micropoint Tip Graduated at 10, 50, 100, 200 µl	Yes			
	TFLR140-200-Q	Universal Fits, Micropoint Tip, <i>Low Retention</i> , Graduated at 10, 50, 100, 200 µl	Yes			
50-300 µl	TF140-300-Q		No	Filtered Sterile	Clear	7
		Universal Fits, Micropoint Tip Graduated at 10, 50, 100, 200 µl	Yes			
	TFLR140-300-Q	Universal Fits, Micropoint Tip, <i>Low Retention</i> , Graduated at 10, 50, 100, 200 µl	Yes			
100-1000 µ	TF112-1000-Q		No	Filtered Sterile	Clear	8
		Universal Fits, Extended Length Micropoint Tip, Graduated at 100, 200, 500, 1000 µl	Yes			
	TFLR1121000-Q	Universal Fits, Extended Length Micropoint Tip, <i>Low Retention</i> , Graduated at 100, 200, 500, 1000 µl	Yes			
1-5 ml	F090100S-5000-Q		No	Filtered Sterile	Clear	
		Fits Gilson Pipetman and Gilson style pipettes				

Packaging Options



Bulk



Racked



Racked Sterile



Reload



Empty Rack

1000 tips x bag	96 tips x tray 10 trays x pk	96 tips x tray 10 trays x pk	96 tips x tray 10 trays x pk	Available with and without inserts 10 empty trays x pk
10 bags x cs	5 pks x cs	5 pks x cs	5 pks x cs	5 pks x cs

Standard Tips

Low Retention Tips

Experimental results may be compromised when using standard pipette tips due to sample retention in the pipette tip. This problem should be taken into account when performing assays requiring a greater degree of accuracy and reliability. QSP Low Retention tips are designed to help reduce liquid retention and improve accuracy and precision.

► **Great for dispensing detergents and liquids with high viscosity such as glycerol**

Tip Volume	Cat. No.	Description	Low Retention	Packaging	Color	Pipette Tip Fits
0.1-10 µl	104-Q T104R-Q T104RS-Q T104RL-Q T104RLS-Q	 Universal Fits, Micropoint Tip, Graduated at 2 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	A
	102-Q T102R-Q T102RS-Q T102RL-Q T102RLS-Q	 Universal Fits, Extended Length Micropoint Tip, Graduated at 2, 5, 10, 20 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	B
	TLR102-Q TLR102R-Q TLR102RS-Q TLR102RL-Q TLR102RLS-Q	 Universal Fits, Extended Length Micropoint Tip, <i>Low Retention</i> , Graduated at 2, 5, 10, 20 µl	Yes	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	
1-200 µl	110-BN-Q T110BRN-Q T110BRNS-Q T110BRLN-Q T110BRLNS-Q 110-B-Q T110BR-Q T110BRS-Q T110BRL-Q T110BRLS-Q	 Universal Fits, Beveled Tip	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear Yellow Yellow Yellow Yellow Yellow	C
	TLR070-Q TLR070R-Q TLR070RS-Q TLR070RL-Q TLR070RLS-Q	 Universal Fits, Beveled Tip, <i>Low Retention</i>	Yes	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	
	113-GN-Q T113RN-Q T113RNS-Q T113RLN-Q T113RLNS-Q 113-G-Q T113R-Q T113RS-Q T113RL-Q T113RLS-Q	 Universal Fits, Beveled Tip, Graduated at 50, 100, 200 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear Yellow Yellow Yellow Yellow Yellow	D
	TW110-N-Q TTW110RN-Q TTW110RNS-Q TTW110RLN-Q TTW110RLNS-Q TW110-Q TTW110R-Q TTW110RS-Q TTW110RL-Q TTW110RLS-Q	 Universal Fits, Micropoint Tip Graduated at 10, 50, 100, 200 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear Yellow Yellow Yellow Yellow Yellow	E
	106-Q T106R-Q T106RS-Q T106RL-Q T106RLS-Q	 Universal Fits, Micropoint Tip Graduated at 10, 50, 100, 200 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	F
	TLR106-Q TLR106R-Q TLR106RS-Q TLR106RL-Q TLR106RLS-Q	 Universal Fits, Micropoint Tip, <i>Low Retention</i> , Graduated at 10, 50, 100, 200 µl	Yes	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	
100-1250 µl	112NXL-Q T112NXLR-Q T112NXLRS-Q T112NXLR-L-Q T112NXLR-L-S-Q 112XL-Q T112XLR-Q T112XLR-S-Q T112XLRL-Q T112XLRLS-Q	 Universal Fits, Extended Length Micropoint Tip, Graduated at 100, 200, 500, 1000 µl	No	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear Blue Blue Blue Blue Blue	G
	TLR112NXL-Q TLR112NXLR-Q TLR112NXLRS-Q TLR112NXLR-L-Q TLR112NXRLS-Q	 Universal Fits, Extended Length Micropoint Tip, <i>Low Retention</i> , Graduated at 100, 200, 500, 1000 µl	Yes	Bulk Racked Reload Sterile Racked Sterile Reload Sterile	Clear Clear Clear Clear Clear	
1-5 ml	095-Q	 Fits Thermo Scientific Finn Pipettes	No	Bulk	Clear	
10-20 µl 200-300 µl 1000-1250 µl	T100ER-Q T200ER-Q T1000ER-Q	Empty Rack for Reload System, Insert not included	No	Empty Rack Empty Rack Empty Rack		
10-20 µl 200-300 µl 1000-1250 µl	T100ERINSERT-Q T200ERINSERT-Q T1000ERINSERT-Q	Empty Rack for Bulk Bag, Insert included	No	Empty Rack Empty Rack Empty Rack		

Pipette Tip Reload System



Flip Lock Latch:

Allows for one-handed open & closing ability and will not pop open when dropped.

Click Clip:

Tongue & Groove format stabilizes insert from falling out; corners will not lift when pipetting.

Recycle Logo:

Molded onto all rack components, allows recycling companies to properly recycle the plastic.

U-Groove:

Lid clasp will slide into U-Groove propping lid up for autoclave venting.

Fit Flush:

Inserts are flush with rack to allow easy multi-channel pipetting.

Lid Lip:

Prevents racks from sliding around when stacked and carted around a lab.

Reversible Lid:

Hinged lid will not interfere while pipetting and can be reversed to act as a lift off lid.

Multi-Channel Design:

All inserts are in the 96-well multi-channel format.

Robust Insert:

Prevents flexing & bowing, secure seating of the pipette, great for multi-channel pipetting.

Recessed Holes:

Stabilizes tips for multi-channel work.

Ink Jet:

All inserts are printed with part and lot numbers so that all products are lot traceable and easy to reorder.

Ergo Clip:

Tall clip makes insert easy to grab without touching the tips with your hand.

Reloading Steps

► Step 1



While grasping lowest insert, lift sleeve up off rack and transfer entire sleeve to an empty rack. Make sure to align sleeve knock-outs with latch and rear lid posts.

► Step 2



Push down on the middle of top insert, which will slide bottom insert into empty tray. Plastic sleeve is not intended to rest on any counter top without a rack underneath it.

Clean Claims

Products are free of:

Non-Sterile:

- RNase/DNase
- DNA
- Pyrogen

E-Beam Sterilized:

- RNase/DNase
- DNA
- Pyrogen/Endotoxin
- Bioburden
- PCR inhibitors
- ATP

To order a clean claim lot-specific certification, contact your local dealer with the Cat. No and Lot. No.

Standard Tips Fit Chart

Tip Images	A	B	C	D	E	F	G
Pipette Description, Channel and Volume	104-Q T104R-Q T104RS-Q T104RL-Q T104RLS-Q	102-Q T102R-Q T102RS-Q T102RL-Q T102RLS-Q TLR102-Q TLR102R-Q TLR102RS-Q TLR102RL-Q TLR102RLS-Q	110-BN-Q 110-B-Q T110BRN-Q T110BR-Q T110BRNS-Q T110BRS-Q T110BRLN-Q T110BRL-Q T110BRLNS-Q T110BRLS-Q TLR070-Q TLR070R-Q TLR070RS-Q TLR070RL-Q TLR070RLS-Q	113-GN-Q 113-Q T113RN-Q T113R-Q T113RNS-Q T113RS-Q T113RLN-Q T113RL-Q T113RLNS-Q T113RLS-Q	TW110-N-Q TW110-Q TTW110RN-Q TTW110R-Q TTW110RNS-Q TTW110RS-Q TTW110RLN-Q TTW110RL-Q TTW110RLNS-Q TTW110RLS-Q	106-Q T106R-Q T106RS-Q T106RL-Q T106RLS-Q TLR106-Q TLR106R-Q TLR106RS-Q TLR106RL-Q TLR106RLS-Q	112NXL-Q 112XL-Q T112NXLR-Q T112XLR-Q T112NXLRS-Q T112XLS-Q T112NXLRL-Q T112NXLRLS-Q T112XLR-Q T112NXLRLS-Q TLR112NXL-Q TLR112NXLRL-Q TLR112NXLRLS-Q TLR112NXLRL-Q TLR112NXLRLS-Q
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:0.2-2	X	X					
Thermo Scientific FinnpiPETTE Digital, micro, ch: SC, vol:0.5-10	X	X					
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:2-20			X	X	X	X	
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:5-50			X	X	X	X	
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:10-100			X	X	X	X	
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:20-200			X	X	X	X	
Thermo Scientific FinnpiPETTE Digital, ch: SC, vol:100-1000							X
Thermo Scientific FinnpiPETTE Digital, ch: MC-8 & 12, vol:0.5-10	X	X					
Thermo Scientific FinnpiPETTE Digital, ch: MC-8 & 12, vol:5-50			X	X	X	X	
Thermo Scientific FinnpiPETTE Digital, ch: MC-8 & 12, vol:50-300			X	X	X	X	
Biohit mLINE®, m10, ch: SC, vol:0.5-10	X	X					
Biohit mLINE, m200, ch: SC, vol:20-200			X	X	X	X	
Biohit mLINE, m1000, ch: SC, vol:100-1000							X
Eppendorf® Research® Plus, ch: SC, vol:0.1-2.5	X	X					
Eppendorf Research Plus, ch: SC, vol:0.5-10	X	X					
Eppendorf Research Plus, ch: SC, vol:2-20, gray cap		X					
Eppendorf Research Plus ch: SC, vol:2-20, yellow cap				X	X		
Eppendorf Research Plus, ch: SC, vol:10-100				X	X		
Eppendorf Research Plus, ch: SC, vol:20-200				X	X		
Eppendorf Research Plus, ch: SC, vol:100-1000							X
Gilson Pipetman® P-2, ch: SC, vol:0.1-2	X	X					
Gilson Pipetman P-10, ch: SC, vol:0.5-10	X	X					
Gilson Pipetman P-20, ch: SC, vol:2-20			X	X	X		
Gilson Pipetman P-100, ch: SC, vol:10-100			X	X	X	X	
Gilson Pipetman P-200, ch: SC, vol:50-200			X	X	X	X	
Gilson Pipetman P-1000, ch: SC, vol:100-1000							X



Classic design for long-lasting dependability and durability with the Thermo Scientific Digital pipette.

Digital pipettes offer these proven Thermo Scientific technologies:

- Autoclavable for use in sterile lab environments
- Durable and reliable in a variety of chemical applications
- Accurately pipette at low-volumes with the enhanced Super Blow-out Technology
- Large, easy to read volume display
- Secure volume adjustment avoids accidental volume drift
- Release tips using minimal effort with the geared tip ejector

Filtered Tips Fit Chart

Tip Images	1	2	3	4	5	6	7	8
Pipette Description, Channel and Volume	TF104-10-Q	TF102-10-Q TFLR102-10-Q	TF102-20-Q	TF113-20-Q TFLR113-20-Q	TF113-100-Q TFLR113-100-Q	TF140-200-Q TFLR140-200-Q	TF140-300-Q TFLR140-300-Q	TF112-1000-Q TFLR112-1000-Q
Thermo Scientific Finnpiptette Digital, ch: SC, vol:0.2-2	X	X						
Thermo Scientific Finnpiptette Digital, micro, ch: SC, vol:0.5-10	X	X						
Thermo Scientific Finnpiptette Digital, ch: SC, vol:2-20				X				
Thermo Scientific Finnpiptette Digital, ch: SC, vol:5-50				X	X			
Thermo Scientific Finnpiptette Digital, ch: SC, vol:10-100				X	X			
Thermo Scientific Finnpiptette Digital, ch: SC, vol:20-200				X	X	X		
Thermo Scientific Finnpiptette Digital, ch: SC, vol:100-1000								X
Thermo Scientific Finnpiptette Digital, ch: MC-8 & 12, vol:0.5-10	X	X			X			
Thermo Scientific Finnpiptette Digital, ch: MC-8 & 12, vol:5-50				X				
Thermo Scientific Finnpiptette Digital, ch: MC-8 & 12, vol:50-300					X	X	X	
Biohit mLINE®, m10, ch: SC, vol:0.5-10	X	X						
Biohit mLINE, m100, ch: SC, vol:10-100				X	X			
Biohit mLINE, m200, ch: SC, vol:20-200						X	X	
Biohit mLINE, m1000, ch: SC, vol:100-1000								X
Biohit mLINE, m10, ch: MC-8 & MC-12, vol:0.5-10	X							
Biohit mLINE, m300, ch: MC-8 & MC-12, vol:30-300						X	X	
Eppendorf® Research® Plus, ch: SC, vol:0.1-2.5		X						
Eppendorf Research Plus, ch: SC, vol:0.5-10	X	X						
Eppendorf Research Plus, ch: SC, vol:2-20, gray cap		X	X					
Eppendorf Research Plus ch: SC, vol:2-20, yellow cap				X	X	X		
Eppendorf Research Plus, ch:SC, vol:10-100					X	X		
Eppendorf Research Plus, ch:SC, vol:20-200					X	X	X	
Eppendorf Research Plus, ch:SC, vol:100-1000								X
Gilson Pipetman® P-2, ch: SC, vol:0.1-2	X	X						
Gilson Pipetman, P-10, ch: SC, vol:0.5-10	X	X						
Gilson Pipetman, P-20, ch: SC, vol:2-20				X				
Gilson Pipetman, P-100, ch: SC, vol:10-100				X	X			
Gilson Pipetman, P-200, ch: SC, vol:20-200					X	X	X	
Gilson Pipetman P-1000, ch: SC, vol:100-1000								X

Digital Variable Volume Single Channel Pipettes

Cat. No.	Range	Compatible QSP Tips
4500000	0.2-2 µl, micro	10 µl series
4500010	0.5-10 µl, micro	10 µl series
4500020	0.5-10 µl	200 & 300 µl series
4500080	2-20 µl	200 & 300 µl series
4500100	5-50 µl	200 & 300 µl series
4500110	10-100 µl	200 & 300 µl series
4500090	20-200 µl	200 & 300 µl series
4500120	100-1000 µl	1000 µl series
4500060	1-5 ml	5 ml
4500070	2-10 ml	Use Thermo Scientific 10 ml Finntips

Digital Multichannel Pipettes

Cat. No.	Channels	Range	Compatible QSP Tips
4510000	8	0.5-10 µl	10 µl series
4510020	8	5-50 µl	200 & 300 µl series
4510030	8	50-300 µl	200 & 300 µl series
4510010	12	0.5-10 µl	10 µl series
4510040	12	5-50 µl	200 & 300 µl series
4510050	12	50-300 µl	200 & 300 µl series
4510070	16	5-50 µl	Use Thermo Scientific 50 µl Finntips



High quality consumables for your evolving liquid transfer and storage needs

Thermo Scientific Snap Cap Microcentrifuge Tubes

Snap cap tubes are easy to open/close and are a convenient choice for routine laboratory procedures such as sample storage, centrifugation and preparation.

Autoclavable, boil proof, and freezable to -80 degrees C. Made from Virgin polypropylene and certified RNase/DNase, DNA and Pyrogen free.



Cat. No.	Volume and Description	Maximum G force	Color	Sterile	Packaging	Unit Qty	Units / CS
502-GRD-Q	0.6ml Microcentrifuge Tube w/Snap Cap Graduated at 0.2, 0.4, 0.6ml	30,000 x G	Clear	Non-sterile	Bagged	1,000	10
509-GRD-Q	1.5ml Microcentrifuge Tube w/Snap Cap Graduated at 0.1, 0.5, 1.0, 1.5ml	26,000 x G	Clear	Non-sterile	Bagged	500	10
508-GRD-Q	2.0ml Microcentrifuge Tube w/Snap Cap Graduated at 0.5, 1.0, 1.5, 2.0ml	25,000 x G	Clear	Non-sterile	Bagged	500	10

To order tubes in colors just add the first letter to the end of the Cat. No., i.e.: 509-GRD-R-Q for red tubes. Colors available are red, blue, green, yellow, orange and violet. To order mixed colors, Cat. No. 509-GRD-MIXED-Q includes, all colors except natural.

Locking Lid Microcentrifuge Tubes

Whether performing critical or routine procedures, we are confident these will become your locking tube of choice offering an extra level of sample security found with screw cap tubes, yet maintaining the same ease of use as snap cap tubes. Our unique design allows visual confirmation that the tube is locked for safe and convenient centrifugation, boiling, freezing, incubation or sample storage.

Pierceable caps snap closed and the lock easily slips into place with simple one-handed operation. The larger, round cap design proves less stressful to the thumb. Tubes are manufactured using ultra-clear, autoclavable virgin polypropylene and smooth surfaces reduce the possibility of ripped or torn gloves.



Cat. No.	Volume and Description	Maximum G force	Color	Sterile	Packaging	Unit Qty	Units / CS
L-502-GRD-Q	0.6ml Microcentrifuge Tube w/ Locking Lid Graduated at 0.2, 0.4, 0.6ml	30,000 x G	Clear	Non-sterile	Bagged	1,000	10
L-510-GRD-Q	1.5ml Microcentrifuge Tube w/ Flat Top Cap Graduated at 0.1, 0.5, 1.0, 1.5ml	24,000 x G	Clear	Non-sterile	Bagged	500	10
L-508-GRD-Q	2.0ml Microcentrifuge Tube w/ Flat Top Cap Graduated at 0.5, 1.0, 1.5, 2.0ml	24,000 x G	Clear	Non-sterile	Bagged	500	10

Individually wrapped sterile versions are available.

© 2015 Thermo Fisher Scientific Inc. All rights reserved. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

www.thermoscientific.com

North America: USA/Canada 800 345 0206 or 800 522 7763
Europe: Austria +43 1 801 40 0, Belgium +32 53 73 42 41, France +33 2 2803 2180, Germany national toll free 0800 1 536 376, Germany international +49 6184 90 6000, Italy +39 02 02 95059 552, Netherlands +31 76 571 4440, Nordic/Baltic countries +358 9 329 100, Russia/CIS +7 (495) 739 76 41, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203
Asia: China +86 21 6865 4588 or +86 10 8419 3588, India toll free 1800 22 8374, India +91 22 6716 2200, Japan +81 45 453 9220, Other Asian countries +852 2885 4613, countries not listed: +49 6184 90 6940 or +33 2 2803 2180

Thermo
SCIENTIFIC
 Part of Thermo Fisher Scientific

BRHPTQSLR 0715