



Ultra-Micro and Standard Universal Fit Pipette Tips



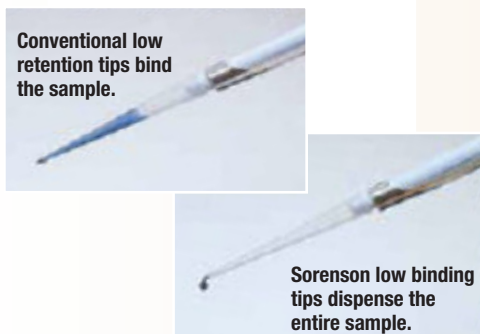
Trust Sorenson brand pipette tips in your research. Tips are manufactured from the finest raw materials using precise production techniques that provide consistent quality performance. Primary products are made from virgin polymers and contain no recycled, reprocessed, or altered plastics.

- 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 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).



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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			



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















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	Bulk Pack	1000 Tips/Bag, 10 Bags/Case	
	10470T	1-200 µl	Low Binding	Natural	No Graduations	Non-Sterile, Bulk	Bulk Pack	1000 Tips/Bag, 10 Bags/Case	
	10500	1-200 µl	Standard	Natural	No Graduations	Non-Sterile, 96 Tips/Rack	Cell 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	QuickRack	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	Bulk Pack	1000 Tips/Bag, 10 Bags/Case	
	10620	1-200 µl	Standard	Yellow	No Graduations	Non-Sterile, 96 Tips/Rack	Cell 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	QuickRack	960 Tips/Pack, 5 Packs/Case	
	200 µl Standardization								
15720		1-200 µl	Standard	Natural	10, 50, 100 µl	Non-Sterile, Bulk	Bulk Pack	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	Cell 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	TipStation	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	Platinum Reload	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	QuickRack	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	Bulk Pack	1000 Tips/Bag, 10 Bags/Case	
15360		1-200 µl	Standard	Yellow	10, 50, 100 µl	Non-Sterile, 96 Tips/Rack	Cell 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	TipStation	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	Platinum Reload	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	QuickRack	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.



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