

Product Specification Sheet

300 µL

Biotix® xTIP4® Filter and Non-Filter Pipette Tips



63300002



63300007

Description	xTIP4® Filter Pipette Tips, Low Retention	xTIP4® Pipette Tips, Low Retention			
	63300002	63300007	63300022	63300012	63300027
Biotix Part Number	63300002	63300007	63300022	63300012	63300027
Maximum Volume	300 µL	400 µL		400 µL	
Graduation levels	10, 50, 100, 200, 300	10, 50, 100, 200, 300		10, 50, 100, 200, 300	
Filtered	Yes	No		No	
Low Retention	Yes	Yes		Yes	
Pre-Sterilized	Yes	Yes	No	Yes	No
BioReady	Yes	Yes		Yes	
Material	Clear Polypropylene	Clear Polypropylene		Clear Polypropylene	
Packaging Type	Racked	Racked		CleanPak Reload	
Packaging	96 tips/rack 10 racks/pack	96 tips/rack 10 racks/pack		10 refills/pack 5 packs/case	
Technical Drawings	<p>FILTER LOCATION</p> <p>1.68in MAX. VOLUME 300µL LEVEL</p>	<p>300 µL LEVEL</p> <p>200 µL LEVEL</p> <p>100 µL LEVEL</p> <p>50 µL LEVEL</p> <p>10 µL LEVEL</p> <p>1.93in</p> <p>MAX. VOLUME 400 µL LEVEL</p> <p>[58.93mm] 2.32in</p>			

Quality Testing

RNase/DNase	Products are washed in distilled water and concentrated via centrifugation. Samples are added to previously established nucleic acid standards, incubated for one hour at 37°C, and tested on a 2% gel using electrophoresis. Products must show no degradation of standards to pass. Test sensitivity is 10 ⁻⁷ Kunitz units/μL.
Nucleic Acid	Products are washed in distilled water and concentrated via centrifugation. Then, samples are added to protocol specified PCR reactions and thermal cycled for 50 cycles. A 2% agarose gel electrophoresis is used to examine experimental samples, positive controls, and negative controls. To pass, product samples must show no DNA amplification. Test sensitivity is 10 ng.
Endotoxin/Pyrogen	Products are tested for endotoxins by using the Limulus Amebocyte Lysate (LAL) gel assay according to FDA guidelines. Test sensitivity is 0.06 EU/ml.
Trace Metal	Products are washed in distilled water. The sample is then tested using reflectometry using a single strip test for the following metals: Ca, Cu, Fe, K, Mg, Mn and Ni. Standard solutions are used as positive controls. A reader is used to detect metals to a sensitivity of 500 mg/L.
PCR Inhibitor	Products are tested via PCR amplification and gel electrophoresis analysis. Samples must show normal amplification to be considered free of PCR inhibitors.
Sterilization	Products are sterilized to 10 ⁻³ sterility insurance level (SAL).
CV Test	Each lot of Biotix product is CV tested and the resulting CV is then printed on the pack label. The volumetested is equal to the maximum volume per tip size.

Proprietary Technologies

FlexFit®	Provides flexibility on the proximal end of tips, dramatically minimizing the necessary insertion to make a secure seal
StarStop®	A positive stop technology which reduces ejection force on LTS pipettes
X-Resin®	Proprietary polypropylene resin designed to reduce sample retention without the risk of leeching or sample contamination
Blade®	Blade technology reduces the frequency of hanging droplets increasing both accuracy and precision