

20  $\mu$ L

## Biotix® xTIP® Filter and Non-Filter Pipette Tips



**63305455**



**63305456**

Description	xTIP® Filter Pipette Tips, Biotix Pure Resin			xTIP® Pipette Tips, Biotix Pure Resin		
Biotix Part #	63305455	63305456	63305457	63305458	63305459	63305460
Maximum Volume	20 $\mu$ L	30 $\mu$ L		30 $\mu$ L		30 $\mu$ L
Graduation levels	2, 10, 20	2, 10, 20		2, 10, 20		2, 10, 20
Filtered	Yes	No		No		No
Low Retention	No	No		No		No
Certified Pre-Sterile	Yes	Yes	No	Yes	No	Yes
BioReady	Yes	Yes		Yes		Yes
Material	Clear Polypropylene	Clear Polypropylene		Clear Polypropylene		Clear Polypropylene
Packaging Type	Racked	Racked		CleanPak Reload		Tip Eject Reload
Packaging	96 tips/rack 10 rack/pack	96 tips/rack 10 rack/pack		10 refills/pack 5 pack/case		10 refills/pack 5 packs/case
Technical Drawings						

## 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 <sup>-7</sup> 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 <sup>-3</sup> 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 volume tested 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.
Blade®	Blade technology reduces the frequency of hanging droplets increasing both accuracy and precision.



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