

## Product Specification Sheet

### 10 $\mu$ L XL Biotix<sup>®</sup> uTIP<sup>®</sup> Filter and Non-Filter Pipette Tips



M-0011-9FC



M-0011-9SC

Description	uTIP <sup>®</sup> Filter Pipette Tips, Low Retention	uTIP <sup>®</sup> Pipette Tips, Low Retention			
Biotix Part Number	M-0011-9FC	M-0011-9SC	M-0011-9NC	M-0011-9TS	M-0011-9TN
Maximum Volume	22 $\mu$ L	40 $\mu$ L	40 $\mu$ L	40 $\mu$ L	40 $\mu$ L
Graduation levels	2, 10	2, 10	2, 10	2, 10	2, 10
Filtered	Yes	No	No	No	No
Low Retention	Yes	Yes	Yes	Yes	Yes
Certified Pre-Sterile	Yes	Yes	No	Yes	No
BioReady	Yes	Yes	Yes	Yes	Yes
Material	Clear Polypropylene	Clear Polypropylene	Clear Polypropylene	Clear Polypropylene	Clear Polypropylene
Packaging	96 tips/rk 10 rk/pk	96 tips/rk 10 rk/pk	96 tips/rk 10 rk/pk	10 inserts/pk 5 pk/CS	10 inserts/pk 5 pk/CS
Technical Drawings					

## Quality Testing

<b>RNase/DNase</b>	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/ $\mu$ L.
<b>Nucleic Acid</b>	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.
<b>Endotoxin/Pyrogen</b>	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.
<b>Trace Metal</b>	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.
<b>PCR Inhibitor</b>	Products are tested via PCR amplification and gel electrophoresis analysis. Samples must show normal amplification to be considered free of PCR inhibitors.
<b>Sterilization</b>	Products are sterilized to 10 <sup>-3</sup> sterility insurance level (SAL).
<b>CV Test</b>	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

<b>FlexFit<sup>®</sup></b>	Provides flexibility on the proximal end of tips, dramatically minimizing the necessary insertion to make a secure seal
<b>X-Resin<sup>®</sup></b>	Proprietary polypropylene resin designed to reduce sample retention without the risk of leeching or sample contamination
<b>Blade<sup>®</sup></b>	Blade technology reduces the frequency of hanging droplets increasing both accuracy and precision