

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>58.93mm 2.32in</p> <p>MAX. VOLUME 400 µL LEVEL</p> | | | |

Quality Testing

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|--------------------------|---|
| 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

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|------------------|--|
| 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 leaching or sample contamination |
| Blade® | Blade technology reduces the frequency of hanging droplets increasing both accuracy and precision |