

**Product Specification Sheet**

**1000 µL**

**Biotix® xTIP4® Filter and Non-Filter Pipette Tips**



**63300003**



**63300008**

| Description        | xTIP4® Filter Pipette Tips,<br>Low Retention |                           | xTIP4® Pipette Tips,<br>Low Retention |                             |          |                             |
|--------------------|--|---------------------------|---------------------------------------|-----------------------------|----------|-----------------------------|
|                    | 63300003                                     | 63300008                  | 63300023                              | 63300013                    | 63300028 | 63300018                    |
| Biotix Part Number | 63300003                                     | 63300008                  | 63300023                              | 63300013                    | 63300028 | 63300018                    |
| Maximum Volume     | 1140 µL                                      | 1557 µL                   |                                       | 1557 µL                     |          | 1557 µL                     |
| Graduation levels  | 200, 500, 1000                               | 200, 500, 1000            |                                       | 200, 500, 1000              |          | 200, 500, 1000              |
| Filtered           | Yes  | No                        |                                       | No                          |          | No                          |
| Low Retention      | Yes  | Yes                       |                                       | Yes                         |          | Yes                         |
| Pre-Sterilized     | 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 8 racks/pack                    | 96 tips/rack 8 racks/pack |                                       | 8 refills/pack 5 packs/case |          | 8 refills/pack 5 packs/case |
| 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 <sup>-7</sup> Kunitz units/μL.                                       |
| <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®</b>  | Provides flexibility on the proximal end of tips, dramatically minimizing the necessary insertion to make a secure seal  |
| <b>StarStop®</b> | A positive stop technology which reduces ejection force on LTS pipettes  |
| <b>X-Resin®</b>  | Proprietary polypropylene resin designed to reduce sample retention without the risk of leeching or sample contamination |
| <b>Blade®</b>    | Blade technology reduces the frequency of hanging droplets increasing both accuracy and precision                        |