

## Product Specification Sheet

1250 µL

### Biotix<sup>®</sup> *uTIP*<sup>®</sup> Filter and Non-Filter Pipette Tips



M-1250-9FC



M-1250-9SC

| Description           | <i>uTIP</i> <sup>®</sup> Filter Pipette Tips, Low Retention | <i>uTIP</i> <sup>®</sup> Pipette Tips, Low Retention |                     |                       |                       |
|-----------------------|---|--|---------------------|-----------------------|-----------------------|
| Biotix Part Number    | M-1250-9FC  | M-1250-9SC   | M-1250-9NC          | M-1250-9TS            | M-1250-9TN            |
| Maximum Volume        | 1250 µL   | 1469 µL  | 1469 µL             | 1469 µL               | 1469 µL               |
| Graduation levels     | 200, 500, 1000  | 200, 500, 1000                                       | 200, 500, 1000      | 200, 500, 1000        | 200, 500, 1000        |
| 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 4 pk/CS | 10 inserts/pk 4 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 <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>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                        |