BIOTIX
LIQUID HANDLING

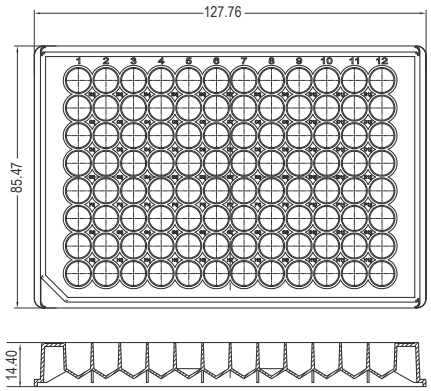
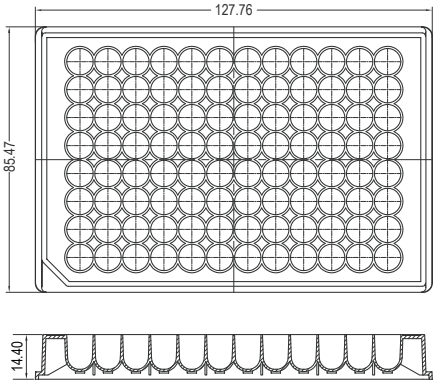
SPEC SHEET

Plate

330 µl 350 µl Biotix® Assay Plates

63300102

63300104

Description	Assay Plates			
Biotix Part #	63300102	63300103	63300104	63300105
Legacy REF #	AP-0350-9CV	AP-0350-9CVS	AP-0350-9CU	AP-0350-9CUS
Product Description	96-well, V-Bottom	96-well, V-Bottom	96-well, U-Bottom	96-well, U-Bottom
Maximum Volume	330 µl	330 µl	330 µl	330 µl
Certified Pre-Sterile	No	Yes	No	No
Packaging	10 plates/pack, 10 packs/case			
Composition	Medical-grade virgin polypropylene			
Features	Plates conform to ANSI/SBS 1-2004 standards for automated high throughput processing			
Physical Data	DNase, RNase and Endtotoxin (pyrogen) free			
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 10-7 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 volume tested is equal to the maximum volume per tip size.

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