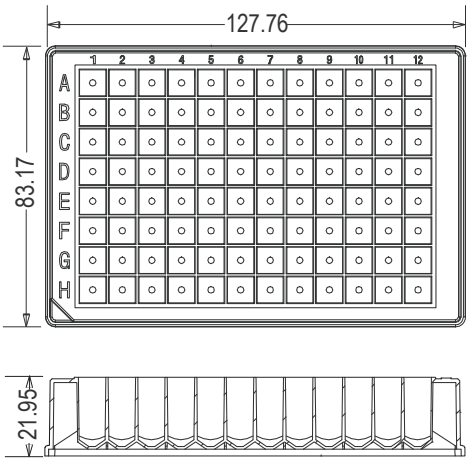
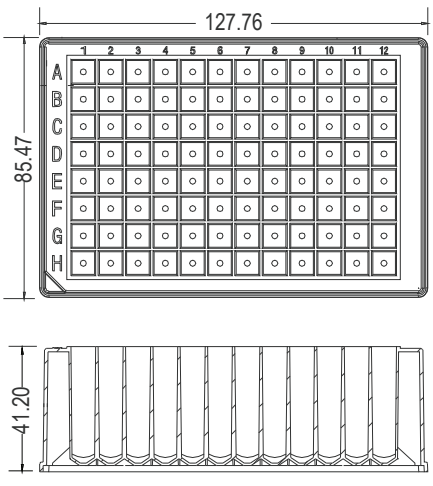
Product Specification Sheet

1.2 ml **2.2 ml**

Biotix® Deep Well Plates

DP-1200-9CV

DP-2200-9CV

Description	Assay Plates			
Biotix Part Number	DP-1200-9CV	DP-1200-9CVS	DP-2200-9CV	DP-2200-9CVS
Product Description	96-square well	96-square well	96-square well	96-square well
Maximum Volume	1.2 ml	1.2 ml	2.2 ml	2.2 ml
Certified Pre-Sterilized	No	Yes	No	Yes
Packaging	5 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	1.2 ml  2.2 ml  			

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).

Biotix Inc
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