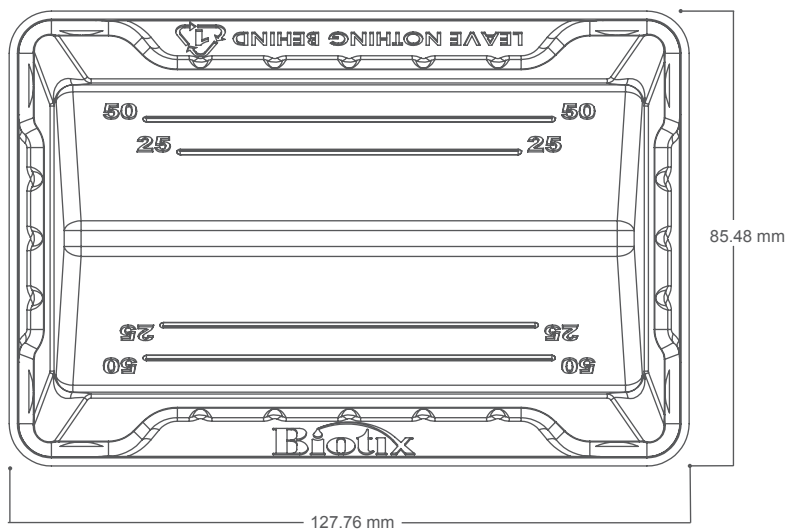
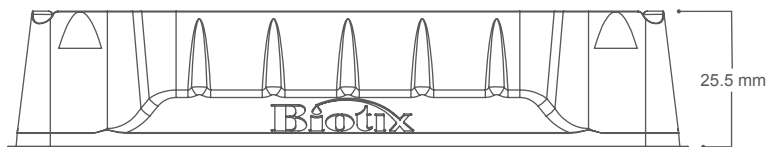


Description	50 ml Disposable Reagent Reservoirs			
	Biotix Part #	SR-0050-1SC	SR-0050-5SC	SR-0050-BC
Maximum volume		50 ml	50 ml	50 ml
Graduation marks		Yes	Yes	Yes
Certified Sterile and free of key contaminants		Yes	Yes	No
Material		Polypropylene Terephthalate (PET)	Polypropylene Terephthalate (PET)	Polypropylene Terephthalate (PET)
Packaging		1 per bag, 100 per case	5 per bag, 200 per case	Bulk, 100 per case
SBS Compliant		Yes	Yes	Yes
Compostable		Yes	Yes	Yes



## 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 using electron beam irradiation.

## Proprietary Technologies

<b>BioX-Resin</b>	Patent pending, Compostable PET
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## Chemical Resistance

Solvent	20°C		50°C	
	BioX-Resin™	Natural Polystyrene	BioX-Resin™	Natural Polystyrene
Acetone	S	N	S	N
Ammonium Chloride	E	E	E	E
Ammonium Sulfate	E	E	B	E
Dimethylsulfoxide	S	E	S	N
Ethanol	E	E	S	E
Chloroform	S	N	N	N
Magnesium Chloride	E	E	E	E
Mineral Oil	E	E	S	E
Phenol 10%	S	S	S	S
Tromethamine	E	E	E	E
Edeate Disodium	E	E	B	E
Acetic Acid, Glacial	S	E	S	S
Benzene	S	N	S	N
Boric Acid	E	E	B	E
1,3-Butadiene	E	E	B	E
Calcium Hydroxide	E	E	S	E
Chlorine	S	S	S	S
Formaldehyde	E	E	E	E
Hexanes	E	N	E	N
Hydrochloric Acid	E	E	S	E
Hydrogen Peroxide	E	E	S	E
Kerosene	E	S	E	S
Sulfuric Acid 95%	N	N	N	N
Sulfuric Acid 20%	E	E	E	E

**E** = Excellent resistance, no etching

**S** = Fair resistance, etching after day 7

**B** = Good resistance, little etching after day 28

**N** = Not recommended