











PRODUCT DATA SHEET

Ready-to-Screen Tissue BLOTS™ **Heart Tissue Region- Specific Blots - Single Species**

Catalog #: TB46

Lot #: -----

Components: Protein blot of Normal Pig Heart Region Tissue samples arranged as follows:

Lane 1	Protein Marker*	211,806		Myosin
Lane 2	Whole Heart			
Lane 3	Left Ventricle	121,020		β-galactosidase
Lane 4	Right Ventricle	100,216		Bovine Serum Albumin
Lane 5	Aortic Valve			
Lane 6	Pulmonary Valve	54,395		Ovalbumin
Lane 7	Mitral Valve			
Lane 8	Tricuspid Valve	38,708		Carbonic Anhydrase
Lane 9	Aorta	29,806		Soybean Trypsin Inhibitor
Lane 10 ---		20,040		Lysozyme
		7,331		Aprotinin

Size: 1 Blot

* Lot #: 300002325-BR

Storage Condition: 4° C

Methods Involved: The proteins were isolated from various normal pig heart region tissues by preparing a tissue homogenate in the presence of protease inhibitors. Protein samples (50µg) from each tissue were solubilized in SDS-lysis buffer and electrophoresed in a 10 well, 4-20% SDS-polyacrylamide gradient gel, followed by electroblotting on PVDF membrane.

Quality Control: Proteins isolated from each lot were run on 4-20% gel and stained with G-Biosciences *RapidStain™* to check for its quality. Actin antibody was used to test the separation and transfer of protein from each lot.

Instructions for Use: Remove the blot (membrane) from the pouch and wash with an appropriate buffer (1X TBST or PBST) 1-2 times. Block the membrane with a protein blocking agent; e.g., G-Biosciences *NAP™*-Blocker or *BLOT-QuickBlocker™*, and incubate with the primary and secondary antibodies diluted in blocking solution, following the standard protocol. Develop the blot with chemiluminescent or chromogenic detection reagents for the detection of the specific protein.

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