











PRODUCT DATA SHEET

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

Catalog #: TB57

Lot #: 070910F

Components: Protein blot of Normal Human Whole Brain and Brain Region Tissue
samples arranged as follows:

| | | | | |
|---------|------------------------|---------|---|---------------------------|
| Lane 1 | Protein Marker* | 194,665 |  | Myosin |
| Lane 2 | Human Frontal Cortex | | | |
| Lane 3 | Human Posterior Cortex | 116,531 |  | β-galactosidase |
| Lane 4 | Human Cerebellum | 97,220 |  | Bovine Serum Albumin |
| Lane 5 | Human Hippocampus | | | |
| Lane 6 | Human Olfactory Lobe | 50,195 |  | Ovalbumin |
| Lane 7 | Human Striatum | | | |
| Lane 8 | Human Thalamus | 37,620 |  | Carbonic Anhydrase |
| Lane 9 | Human Midbrain | 29,284 |  | Soybean Trypsin Inhibitor |
| Lane 10 | Human Pons | 20,010 |  | Lysozyme |
| Lane 11 | Human Medulla | 7,150 |  | Aprotinin |
| Lane 12 | Human Spinal Cord | | | |
| Lane 13 | Human Temporal Lobe | | | |
| Lane 14 | Human Whole Brain | | | |

* Lot #: 310001998-BR

Size: 1 Blot

Storage Condition: 4° C

Methods Involved: The proteins were isolated from various **normal human whole brain and brain 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 15 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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