

### TotalBLOT+™ Membranes

Code	Description	Size
E576-10X10CMSQ	<b>TotalBLOT+™ Nylon Membranes</b>	10 pre-cut membranes, 10 cm x 10 cm
E576-1ROLL	<b>TotalBLOT+™ Nylon Membranes</b>	1 roll, 30 cm x 3 m
E578-5X15CMSQ	<b>TotalBLOT+™ PVDF Membranes</b>	5 pre-cut membranes, 15 cm x 15 cm
E578-10X10CMSQ	<b>TotalBLOT+™ PVDF Membranes</b>	10 pre-cut membranes, 10 cm x 10 cm
E578-1ROLL	<b>TotalBLOT+™ PVDF Membranes</b>	1 roll, 30 cm x 3 m

#### General Information

TotalBLOT+™ Nylon and TotalBLOT+™ PVDF microporous membranes are solid phase supports with high binding characteristics for biologically active molecules. They provide high surface area matrices for immobilization of up to 200 µg nucleic acids or protein per sq. cm and are ideal for most applications requiring nitrocellulose or nylon membranes. The high affinity of TotalBLOT+™ membranes enables smaller quantities of sample than required for nitrocellulose to provide superior signal detection with low background in both radioactive and non-radioactive detection systems. TotalBLOT+™ membranes are very durable and will not tear, crack, or curl during handling and thus are easily used for convenient re-probing and subsequent analysis.

#### TotalBLOT+™ PVDF Membranes

TotalBLOT+™ PVDF membrane is a naturally hydrophobic polyvinylidene fluoride membrane that is well suited for Western transfers, protein binding assays and membrane-bound protein sequencing. The membrane is a microporous solid phase support that exhibits strong hydrophobic interactions with a wide range of proteins. Immobilized proteins can be visualized by sensitive immuno-detection protocols or directly with all common staining reagents, including Coomassie® Brilliant Blue, amido black, and Ponceau S. TotalBLOT+™ PVDF membranes are resistant to a wide range of chemical solvents and will not shrink or disfigure during destaining in methanol. In addition, resistance to trichloroacetic acid and triethylamine allow direct

insertion of the membrane into amino acid analyzers and gas phase protein sequencing systems.

### TotalBLOT+™ Nylon Membranes

This positively charged membrane provides high sensitivity and rapid nucleic acid binding without the need for UV-crosslinking or baking. The surface chemistry is characterized by a high density of strongly cationic quaternary ammonium groups that renders it ideal for superior binding of negatively charged biomolecules in a wide variety of nucleic acid and protein applications.

### **Storage/Stability**

Store at room temperature (18 – 26°C).

### **Product Use Limitations**

For research use only. Not for therapeutic or diagnostic use.

### **For Technical Support**

Toll Free: 1-800-610-2789 (USA & Canada)

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ZY0673

Rev. 1 01/2016

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