

PVDF and Nylon blotting Membranes

Microporous Membranes For Blotting Proteins and Nucleic Acids

TotalBlot PVDF Blotting membrane	T07590 , 10 sheets (10cm x 10cm)
	T07580 , 5 sheets (15cm x 15cm)
	982420 , 1 roll (30cm x 3m)
TotalBlot + Blotting membrane	420960 , 10 sheets (10cm x 10cm)
	T07550 , 5 sheets (15cm x 15cm)
	147990 , 1 roll (30cm x 3m)

Storage: Room temperature (Z).

Introduction

TotalBLOT microporous membranes are solid phase supports with high binding characteristics for biologically active molecules. They provide high surface area matrices for immobilization of nucleic acids and proteins and are ideal for most applications requiring nitrocellulose or nylon membranes. TotalBLOT membranes are also very durable unlike nitrocellulose they will not tear, crack, or curl during handling. This permits convenient re-probing and easy removal of target bands for subsequent analysis.

TotalBLOT membranes have a high affinity for proteins and/or nucleic acids. The capacity and binding strength of TotalBLOT + and TotalBLOT PVDF membranes require much smaller quantities of these biomolecules for signal detection than standard nitrocellulose membranes. These membranes provide an available immobilization area of up to 500 sq. cm per sq. cm of surface area facilitating the immobilization of up to 100 µg/sq. cm of DNA and 200 µg/sq. cm of protein. They also provide a low background in radioactive and non-radioactive detection systems resulting in clear, accurate signal detection.

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. Our PVDF membrane, a pure white microporous solid phase support, exhibits strong hydrophobic interactions with a wide range of proteins. Immobilized proteins can be directly visualized with all common staining reagents, including Coomassie Blue, Amido Black, and Ponceau S.

TotalBLOT PVDF membranes also allow sensitive immuno-detection in the nanogram to picogram levels. They 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.

*** Applications:**
Western Transfer
Protein Sequencing
Amino Acid Analysis
Solid Phase Assay Systems

TotalBLOT + Membranes

This positively charged membrane provides higher sensitivities 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 which are an integral part of the membrane.

TotalBLOT + membranes are ideal for superior binding of negatively charged biomolecules acid and protein applications.

*** Applications:**
Northern, Southern and
Western Blotting
Dot/Slot Blots
Membrane Bound PCR*
Colony Hybridization

Related / associated products

Nitrocellulose blotting membranes ([Protran](#))

Enzymatic substrate for blotting with HRP: [TMB solutions](#) #664780, [UptiLighr ECL](#) (chemilumin. #58372A) ; with AP: BCIP/NBT [#099851](#)

Protein stains: LavaPurple #67433A (fluorescent), TMB #295883

Other Information

For in vitro R&D use only

* The polymerase chain reaction (PCR) is covered by patents owned by Hoffman-La Roche Inc.

Please contact InterBioTech – Interchim for any other information

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