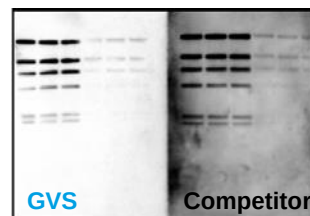


TRANSFER MEMBRANES

Pure Nitrocellulose



GVS Nitrocellulose Pure Transfer Membrane is the membrane of choice for all protein or immunoblotting applications. The high sensitivity of GVS Nitrocellulose Transfer Membrane ensures excellent results in all transfers, especially in protein blotting. Unlike PVDF, nitrocellulose wets out naturally, does not require methanol, and will not turn hydrophobic during the transfer process.

Nitrocellulose is very easily blocked and does not need the many blocking steps required with PVDF.

Excellent results will be obtained with all detection systems: antibody/antigen, radiolabeled, biotinylated, and chemiluminescent, giving you a great amount of flexibility in designing your procedure.

Supplied in various porosity and format.

Features & Benefits

- ▲ For procedures that require optimum resolution
- ▲ Membrane of choice for protein or immunoblotting applications
- ▲ Low background, easily blocked
- ▲ BSA binding capacity up to 100 µg/cm²
- ▲ Wets out naturally
- ▲ Compatible with all detection systems

Typical Applications

- ▲ Western Blotting
- ▲ Protein & immunoblotting
- ▲ Northern Blotting
- ▲ Southern Blotting
- ▲ Dot/slot blotting
- ▲ Radiographic, chromogenic and chemiluminescent detection systems

Product	Competitors
 NITROpure Unsupported Nitrocellulose	Amersham HyBond-C - BioRad Nitrocellulose - Millipore Immobilon-NC Plus - Schleicher & Shuell (S&S) Protran

Ordering information

Dimensions (mm) Packaging	70x84 mm 10/pk	100x100 mm 10/pk	150x150 mm 5/pk	200x200 mm 25/pk	200x3000 mm 1/pk	300x3000 mm 1/pk
0.22 µm	1213991	1213999	1215463	1215392	1215469	1215458
0.45 µm	1213888	1213314	1215476	1221976	1215483	1215471

Pore sizes



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Supported Nitrocellulose



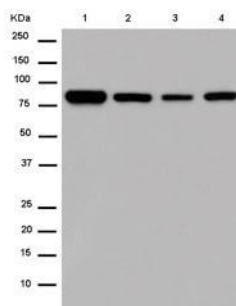
GVS Supported Nitrocellulose Transfer Membrane combines the binding characteristics of nitrocellulose membrane with the strength of nylon membrane. It can be easily used in any protocol utilizing unsupported nitrocellulose transfer membrane. Supplied in various porosity and format

Features & Benefits

- ▲ Supported for procedures requiring rigorous handling
- ▲ Strong - will not curl, bend or crack after baking
- ▲ High sensitivities, low backgrounds
- ▲ Multiple reproblings
- ▲ BSA binding capacity up to 100 µg/cm²
- ▲ Triton Free

Typical Applications

- ▲ Northern Blotting
- ▲ Southern Blotting
- ▲ Multiple re-hybridizations
- ▲ Colony/plaque lifts
- ▲ Dot/slot blotting
- ▲ Radiographic detection systems
- ▲ Chemiluminescent detection systems
- ▲ Biotinylated detection systems



All lanes : Anti-Furin antibody [EPR14674] (ab183495) at 1/5000 dilution

Lane 1 : HepG2 whole cell lysate

Lane 2 : HeLa whole cell lysate

Lane 3 : U87-MG whole cell lysate

Lane 4 : Caco-2 whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size : 87 kDa

Product	Competitors
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Amersham HyBond-C Extra - Amersham HyBond-C Super
Biorad Supported Nitrocellulose

Ordering information

Dimensions (mm) Packaging	70x84 mm 10/pk	100x100 mm 10/pk	150x150 mm 5/pk	200x200 mm 5 /pk	200x3000 mm 1/pk	300x3000 mm 1/pk
0.22 µm		1214560	1212669	1212689	1212690	1212632
0.45 µm	1214978	1213943	1212596	1212597	1212602	1212590



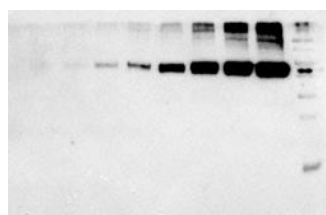
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TRANSFER MEMBRANES

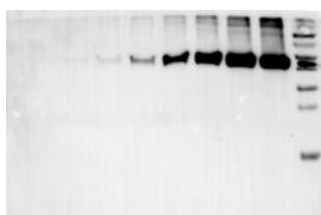
Polyvinylidene Fluoride PVDF



GVS



Competitor



Images were obtained by following GVS Western Blot General Protocol

Cell Lane: HeLa Whole Cell

Detection substrate: Light Wave Plus

Primary antibody: Beta Actin Polyclonal Antibody (dilution 1:1000)

Secondary antibody: Goat Anti-Rabbit IgG Antibody (H+L) (dilution 1:10000)

Analyzed protein: Beta actin, MW: 42 kDa

GVS PVDF is a naturally hydrophobic, unsupported transfer membrane. It has a high binding capacity, which prevents protein from passing through the membrane, and a low background that provides for an excellent signal-noise ratio. It also has exceptional tensile strength, preventing it from cracking, tearing, breaking or curling. This membrane also has broad chemical compatibility, which is important when used with common stains such as Amido Black, Colloidal Gold, Coomassie Blue, India Ink and Ponceau-S. GVS PVDF will not degrade, distort or shrink when a high concentration of methanol is used for destaining.

Its exceptional strength, high binding capacity and chemical compatibility make GVS PVDF ideal for use in Western blotting, immunoblotting, and solid phase assays and plaque lifts.

Features & Benefits

- ▲ Superior strength: Can withstand aggressive handling or be used with automated equipment without breaking or tearing
- ▲ Low extractables: Ensures tests will be clean with consistent results
- ▲ Exceptional sensitivity: Detects low-level components
- ▲ Hydrophobic: For high protein binding
- ▲ Lot-to-lot consistency: Quality checks ensure consistent binding for dependable results every time
- ▲ BSA protein binding capacity : 125 µg/cm²
- ▲ High range of chemical: Resistant to most commonly used chemicals compatible with chemically aggressive solvents

Product	Competitors
 PVDFpure Unsupported PVDF	Millipore Immobilon-P - Amersham HyBond - BioRad PVDF Shleicher & Shuell (S&S) Westran

Typical Applications

- ▲ Western blotting
- ▲ Immunoblotting
- ▲ Solid phase assays
- ▲ Amino acid or protein analyses

Ordering information

Dimensions (mm) Packaging	70x84 mm 10/pk	100x100 mm 10/pk	150x150 mm 5/pk	200x200 mm 5/pk	200x3000 mm 1/pk	300x3000 mm 1/pk
0.22 µm	1214588		1215037	1215032	1214726	1214429
0.45 µm	1213992	1212644	1212636	1212637	1212783	1212639

Pore sizes