

Blotting Buffers & Membranes

GEL BLOTTING PAPER - FN100

Gel blotting paper with an extremely smooth surface and a 0.35mm thickness. Made from the purest naturally occurring raw materials, offering the maximum degree of absorption and α cellulose content.

Fast running and high absorption capacity; ideal combination of chromatography and gel blotting paper. The ideal general purpose blotting paper for Southern, Northern and Western blotting, gel lifting, sequencing, buffer wicking and semi-dry blotting.

BENEFITS INCLUDE

- Superior uniformity across the entire contact area in the blotting transfer system
- Absorption and improvement in the transport of transfer buffer after capillary and semi-dry blotting
- Double-sided cover of gel and transfer membrane in the blotting tank after conventional electroblotting
- To prevent direct contact between the blotting membrane and porous cover plate of the vacuum chamber for dot/slot blotting of RNA and DNA

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|-------------|------------|-------|
| 200 x 200mm | 100 Sheets | FN100 |
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Towbin Buffer, 10x, for Western Blotting

Supplied as a 10x concentrate: (0.25M Tris and 1.92M Glycine in aqueous solution.

Working buffer: dilute 100ml of 10x concentrate with 200ml of methanol and 700ml distilled water.

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| Towbin Buffer, 10x | 1 L | 42558.02 |
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Semi-Dry Blotting Buffer Kit

Supplied as a ready-to-use kit, comprising of 3 components for Western blotting in the semi-dry blotting units.

Buffer 1. (Conc. Anode buffer): 0.3M Tris and 20% Methanol in aqueous solution.

Buffer 2. (Diluted Anode buffer): 0.03M Tris and 20% Methanol in aqueous solution.

Buffer 3. (Cathode buffer): 0.25M Tris/HCl (pH 9.4), 0.04M 6-Aminocaproic acid and 20% Methanol in aqueous solution.

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| Semi-Dry Blotting Buffer Kit | 2 x 500ml | 42559.01 |
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BLOTTING MEMBRANES

Scie-Plas offers 5 different types of blotting membrane for use with all transfer techniques. Each membrane is available in 10 x 10cm and 20 x 20cm formats and in 0.2 and 0.45 μ m pore sizes for the binding of low (<20kDa) and high (>20kDa) molecular weight proteins and nucleic acids.

Nitrocellulose Blotting Membranes

Nitrocellulose membranes are the most popular membranes for Western Southern and Northern blotting. The membranes bind both proteins and nucleic acids. Nitrocellulose exhibits high binding capacity and has low background.

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| 0.02 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-NC20 |
| 0.02 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-NC20L |
| 0.45 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-NC45 |
| 0.45 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-NC45L |



Supported Nitrocellulose Blotting Membranes

As per nitrocellulose but more robust for frequent handling.

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|---------------------------------------|-----------|---------------|
| 0.02 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SNC20 |
| 0.02 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SNC20L |
| 0.45 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SNC45 |
| 0.45 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SNC45L |

Polyvinylidene Fluoride (PVDF) Blotting Membranes

A hydrophobic membrane with much higher protein-binding capacity than nitrocellulose.

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| 0.02 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-PDVF20 |
| 0.02 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-PDVF20L |
| 0.45 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-PDVF45 |
| 0.45 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-PDVF45L |

Supported Nylon-66 Blotting Membranes

A more versatile membrane, with reduced background to increase sensitivity, for the binding of nucleic acids after semi-dry blotting, capillary Southern and Northern transfer; more robust for frequent handling.

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| 0.02 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SN20 |
| 0.02 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SN20L |
| 0.45 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SN45 |
| 0.45 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SN45L |

Positively Charged Supported Nylon-66 Blotting Membranes

Higher binding affinity than supported Nylon-66 for negatively charged molecules such as nucleic acids during Southern and Northern transfer; more robust for frequent handling.

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| 0.02 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SN20 |
| 0.02 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SN20L |
| 0.45 μ m pore size, 100mm x 100mm | 25 Sheets | EB-MEM-SN45 |
| 0.45 μ m pore size, 200mm x 200mm | 25 Sheets | EB-MEM-SN45L |