Hi-FiBloE™ PVDF Membrane for Blotting

Product Code	Pore size	Dimension	Pack size
MBM026-20SH	0.45µm	7 cm x 8.5 cm	20sheet
MBM027-1RL	0.45µm	27.5cm x 3.75m	1roll

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PVDF (Polyvinylidene Difluoride) membrane is a matrix used in protein blotting assays having high capability to immobilize proteins. HiMedia's Hi-FiBloE™ PVDF Membrane for Blotting is a hydrophobic membrane with specially designed porous structure and binding sites which provide enormous support during the transfer of both proteins and abundantly used in Western blotting procedures. It ensures highest binding capacity and performance in biomolecule detection. This membrane acts as microporous substrates to which proteins bind through hydrophobic interactions. It provides fast binding and steady support. PVDF is more suitable for detecting higher molecular weight proteins. The pore size of 0.45µm is optimized for transfer of proteins through the membrane. The smaller pore size minimizes low molecular–weight protein sample loss during the blotting procedure. This membrane is compatible with a variety of detection methods such as chemiluminescence, chromogenic, and fluorescence.

Hi-FiBloE™ PVDF Membrane is available in different formats of varing sizes like rolls, precut sheets, etc. Rolls (MBM027) offer a larger surface area of membrane, offering flexibility to cut the membrane as per the requirement whereas precut sheets (MBM026) offer easier usage for standard mini gel transfers.

Special Features:

1. Superior binding capacities of proteins.
2. Higher mechanical strength and superior chemical resistance.
3. Minimum background interference: Excellent signal to noise ratio.
4. Easy to handle, wets readily with aqueous solutions.
5. Compatible with all standard immunoblotting detection methods.
6. Compatible with common stains like Ponceau-S stain.
7. Better sensitivity and less brittle than nitrocellulose membrane.

Applications:

1. Protein immunoblotting
2. Dot blots
3. Protein sequencing
4. Amino Acids analysis

Specifications:

Appearance	White film with backing
Pore Size	0.45µm
Dimensions	MBM026 – 7 cm x 8.5 cm
	MBM027 - 27.5cm x 3.75m

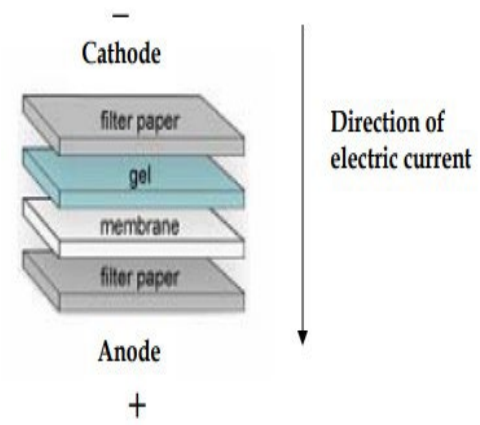
General Instructions:

- Always wear gloves while handling the membrane, in order to avoid fingerprints.
- Use blunt forceps while handling the membrane to prevent damage.
- Ensure proper wetting of the membrane.

Preparation before performing electro-transfer:

1. Cut a piece of PVDF transfer membrane of required size.
2. Immerse the membrane into methanol for 15 seconds.
3. Immerse the membrane into sterile distilled water for 2 minutes.
4. Finally, immerse the membrane into 1X transfer buffer for 15 minutes. Immersing the membrane into methanol ensures the activation of hydrophobic sites for protein binding. The later steps ensure the proper wetting of membrane for Wet electro-transfer Method.

General Assembly Using PVDF Membrane for Immunoblotting:



Storage: Hi-FiBloE™ PVDF Membrane for Blotting can be stored at 15-25°C.

Stability: Hi-FiBloE™ PVDF Membrane is stable for 2 years when stored as directed.

Limitations

- Proteins might not transfer properly onto the membrane if the membrane is dry.
- Development of protein bands depends upon the samples taken for detection, detection method used and the concentration of antibodies.
- Contamination of membrane due to the transfer of proteins from fingerprints onto the membrane.

Please refer disclaimer Overleaf

Recommended products to use with Hi-FiBloE™ PVDF Membrane for blotting:

Product Code	Product Name
ML043	10X Transfer Buffer
ML056	10X Tris-Glycine Buffer, pH 8.3
ML044	Blocking Buffer
ML045	Ponceau-S Stain
ML088	10X TBST
ML163	Stripping Buffer
ML169	TMB Substrate Solution (For Western Blotting)
ML210	HiPurA® Fast Western Blotting Buffers
ML211	HiPurA® Unik Fast Western Blotting Buffers
LA1070	Wee Vert®
LA1088	Wee Blot™
MB113	Methanol

Technical Assistance:

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at mb@himedialabs.com.

Symbol

	Manufacturer		Do not use if package is damaged
	Batch code		Temperature limit
	Date of manufacture (YYYY-MM)		Consult instructions for use
	Use-by date (YYYY-MM)		Catalogue number

Identification No.: PIMBM0026/MBM0027

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