

HiFiBloE™ Nylon Membrane for Blotting

Product Code	Pore size	Dimension	Pack size
MBM021-20SH	0.45µm	15 cm x 15 cm	20sheet
MBM022-20SH	0.45µm	20 cm x 20 cm	20sheet
MBM025-1RL	0.45µm	30 cm x 30 m	1roll



Nylon membrane is a matrix used in nucleic acids blotting assays having high capability to immobilize nucleic acids. HiMedia's HiFiBloE™ Nylon Membrane for Blotting is composed of positively charged nylon which provide enormous support during the transfer of nucleic acids and abundantly used in Southern blotting procedures. It ensures highest binding capacity and performance in biomolecule detection. This membrane acts as microporous substrates to which nucleic acids bind through hydrophobic interactions. It provides fast binding and steady support. The pore size of 0.45 μm is optimized for transfer of nucleic acids through the membrane, providing the highest possible binding capacity for negatively charged molecules like DNA and RNA. The smaller pore size minimizes low molecular-weight protein sample loss during the blotting procedure. This membrane is ultraviolet cross linkable. This membrane is compatible with a variety of detection methods such as chemiluminescent, radiolabeled and fluorescence.

HiFiBloE™ Nylon Membrane is available in different formats of varying sizes like rolls, precut sheets, etc. Rolls (MBM025) offer a larger surface area of membrane, offering flexibility to cut the membrane as per the requirement whereas precut sheets (MBM021, MBM022) offer easier usage for standard mini gel transfers.

Special Features:

1. Superior binding capacities of nucleic acid molecules
2. Minimum background interference: Excellent signal to noise ratio
3. Easy to handle, wets readily with aqueous solutions.
4. Compatible with all standard immunoblotting and nucleic acid detection methods.

5. Provides strong DNA binding by baking or UV-crosslinking.

Applications:

1. Nucleic acid transfers colony hybridization
2. Southern blots
3. Dot and slot blots
4. Northern blots

Specifications:

Appearance	White film with transparent backing
Pore Size	0.45 μm
Dimensions	MBM021- 15 cm x 15 cm
	MBM022- 20 cm x 20 cm
	MBM025- 30 cm x 30 m
Thickness	≈150 – 180 μm

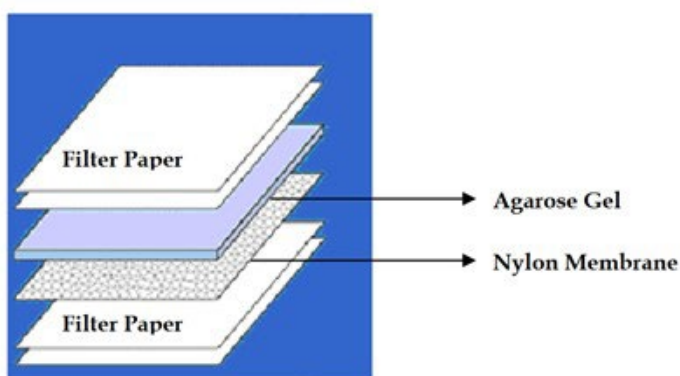
General Instructions:

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

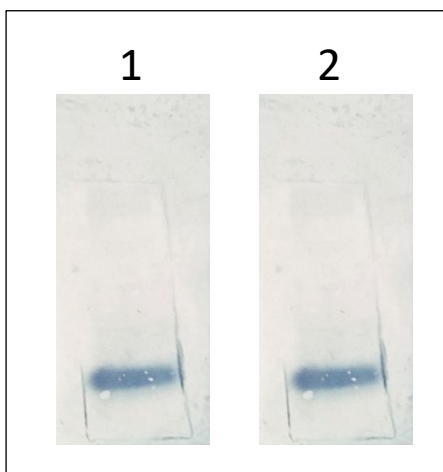
Preparation before performing electro-transfer:

The nylon membrane must be soaked in 1X Transfer Buffer or deionized water prior to transfer. This ensures that the membrane is wet sufficiently for maximum binding of nucleic acids as dry membrane promotes low binding of nucleic acids.

General Assembly Using Nylon Membrane for Immunoblotting



HiFiBlo™ Nylon Membrane offers high sensitivity for Nucleic Acid Detection



1	Competitor's Nylon membrane
2	HiMedia's HiFiBlo™ Nylon Membrane for Blotting

**Membrane image
representing DNA
transformed from agarose**

Storage: HiFiBlo™ Nylon Membrane for Blotting can be stored at 10-30°C.

Stability: HiFiBlo™ Nylon Membrane is stable for 2 years when stored as directed.

Limitations

- Nucleic acids might not transfer properly onto the membrane if the membrane is dry.
- Development of nucleic acid bands depends upon the samples taken for detection, detection method used.
- Contamination of membrane due to the transfer of proteins from fingerprints onto the membrane.

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

Product Code	Product Name
ML030	20X SSC
ML032	Alkaline Transfer Buffer
ML033	Denaturation Solution
ML034	Neutralization Buffer A (for transfer to uncharged membranes)
ML035	Neutralization Buffer B (for transfer to nylon membranes)
ML055	20 X SSPE Buffer, pH 7.4
ML095	Denhardt's Solution (100X)
ML209	HiPurA® Fast southern Hybridization Buffer
LA851	Hi-Eco Mini Horizontal Electrophoresis Kit
LA1088	Wee Blot™



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.

Symbols:

	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.: PIMBM021/MBM022/MBM025

Rev. No.: 03

Date of Issue: 2025-06

Disclaimer :

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HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: techhelp@himedialabs.com Website: www.himedialabs.com