

Biodyne B Membrane

Catalog No.
60-00-50

Size
20 cm x 1 m



DESCRIPTION

Biodyne B Membrane, manufactured by Pall Life Science, is composed of Nylon 6,6 on an integral nonwoven polyester support. The cationic pore surfaces contain a high density of quaternary ammonium groups. The membrane is resistant to heat and solvents, and may undergo multiple rounds of hybridization without shrinking, tearing, or cracking.

FORM/STORAGE

Biodyne B membrane is positively charged and has a pore size of 0.45 μm . Store at room temperature in a dry place.

APPLICATIONS

Positively charged Biodyne B Membrane may be used for the strong ionic binding of negatively charged nucleic acids or proteins in such protocols as Southern, Northern, Western, or dot blotting.

USE

Biodyne B Membrane should be handled at the corners with forceps. The membrane should be cut with sharp scissors, a sharp, clean scalpel, or a razor blade.

KPL recommends treating the membrane in the following manner prior to transfer of nucleic acid or protein:

1. Wet the membrane in molecular biology grade water 5 minutes.
2. Equilibrate the membrane in 10X SSC, 10X SSPE or other appropriate buffer for 30 minutes.
3. Use damp membrane for transfer applications. Allow membrane to dry before using for dot blots.
4. Following transfer, nucleic acids may be fixed to Biodyne B Membrane either by baking at 80°C for 30 minutes or by UV crosslinking.

REFERENCES

Nucleic acid transfer:

- Sambrook, J., Fritsch, E. F., Maniatis, T. (1989). *Molecular Cloning: A Laboratory Manual, 2nd Edition*. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y.
- Ausubel, R. et al., (eds.) *Current Protocols in Molecular Biology*. John Wiley and Sons, N.Y.

Reed, K. C., Mann, D.A. (1985). Rapid transfer of DNA from agarose gels to nylon membranes. *Nucleic Acids Research* 13, 7207-7221.

Protein transfer:

Gooderham, K. (1983). Protein Blotting in *Techniques in Molecular Biology*. J. Walker, W. Gaastra (eds.), Croom Helm Ltd. London.

RELATED PRODUCTS

DNADetector™ HRP Chemiluminescent Blotting Kit	54-30-00
RNADetector™ AP Chemiluminescent Blotting Kit	54-30-01
20X SSC	50-86-05
Membrane Hybridization Buffer	50-86-08
Formamide Hybridization Buffer	50-86-10
Detector Block	71-83-00
Biotin Wash Solution	50-63-06
Herring Sperm DNA	60-00-14
Hybridization Bags	60-00-51

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Disposal via sanitary sewer.

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