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Nylon membrane, positively charged

CSL-RNY2 *CSL-RNY45*

Introduction

Our Nylon binding membranes are internally supported, uniform, white plastic matrix with specially designed porous structure and binding sites o suit the transfer and hybridization of nucleic acids

They are cationic and maintain their positive charge over a wide pH range. These membranes therefore have a high binding capacity for DNA and RNA under standard Southern-, northern- and dot-blot conditions as well as in alkaline transfer procedures

The Nylon binding membrane are produced under controlled conditions through validated processes specifically for life science applications

Specifications

Membrane
Nylon

Pore size
0.2 µm; 0.45 µm

Colour
White

Thickness
150 - 180 µm

Recommendation Chart

BIOMOLECULES	
Nucleic Acid	HR
Proteins	R
TRANSFER METHOD	
Dot Blot	R
Colony or Plaque Lift	R
Electrotransfer	HR
Capillary Blot	R
Vacuum Blot	R
Alkaline Transfer	R
MOLECULE FIXATION	
Baking	R
Drying	R
UV Crosslinking	HR
Alkali Fixation	R
Molecule Removal	R
DETECTION METHOD	
Colorimetric	R
Radiolabelled	R
Luminescence	P
Fluorescence	P
Staining	P
REPROBING	
Once	R
Multiple	R

HR - Highly recommended
R - Recommended
P - Possible
NR - Not recommended

Special Features

- Minimum background: high signal to noise ratio
- Very high binding capacities of nucleic acids
- Uniform and easy wettability
- Ultraviolet cross linkable
- Chemically resistant, Tolerant to alkali formation
- High mechanical strength for ease of handling

Applications

- Nucleic acid transfer
- Dot slot blot
- Southern blot
- Northern blot
- Alkali transfer

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Instructions

Always handle the membrane using gloves or forceps to prevent contamination!

Pre-wetting the membrane

- Nylon membranes do not require pre-wetting before use. However, if the membrane will immediately be in contact with solutions of high ionic strength (i.e. 20 × SSC Buffer), you should pre-wet the membrane with either double-dist. water or 2 x SSC.

- Place the membrane on the surface of this solution for a few seconds then submerge it to complete the wetting process. If required, you may then place the membrane in a high salt transfer buffer for 5-15 min to equilibrate

Fixation of nucleic acids

- For dot blots, Northern and Southern transfers, you must bind the DNA to the membrane by UV-cross linking for approx. 3 min (trans-illuminator).

Packing size

CSL-RNY2	24cm x 3m roll 0.2 µm	CSL-RNY45	24cm x 3m roll 0.45 µm