

Nitrocellulose blotting membrane

CSL-RNC2

CSL-RNC45

Introduction

Our nitrocellulose binding membranes are uniform, paper thin, white plastic supports with specially designed porous structure and binding sites to suit protein and nucleic acid transfer, biological hybridisation and immune-blotting applications.

The nitrocellulose binding membranes are produced under controlled conditions through validated process from pure nitrocellulose, without the use of any detergents suitable for life science applications thank to their high affinity for biomolecules and low background.

Special Features

- High binding capacity of nucleic acid and proteins
- Minimum background: high signal to noise ratio
- Uniform and easy wettability
- Compatible with colorimetric, radiolabelled, chemiluminescent, fluorescent and staining detection method

Specifications

Membrane

Internally supported Nitrocellulose

Pore size

0.2 µm; 0.45 µm

Colour

White

Thickness

120 – 150 µm

Protein binding Capacity (BSA)

0.2 µm: 90 µg/cm²

0.45 µm: 80 µg/cm²

Applications

- Immuno-blotting
- Western Blotting
- Dot and slot blots
- Southern/Northern blotting
- Enzyme immunoassays
- Colony and plaques lifting and transfer
- Replica plating

Recommendation Chart

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

HR - Highly recommended
R - Recommended
R* - Recommended for proteins
NR - Not recommended
P - Possible

Protocol for blotting

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

1. Immerse the membrane slowly at a 45° angle in transfer buffer to prevent trapped bubbles.
2. Equilibrate the membrane at room temperature shaking for approximately 5 minutes.
The membrane is now ready to bind proteins or nucleic acids

Packing size

CSL-RNC2 30cm x 3m roll 0.2 µm

CSL-RNC45 30cm x 3m roll 0.45 µm