

# Nitrocellulose Membrane

Catalog nos. LC2000, LC2001

## Instructions for Use

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### Description

Nitrocellulose membrane is a high quality membrane ideal for blotting of proteins and nucleic acids. The Nitrocellulose membrane is available in two pore sizes:

Catalog no.	Pore Size	Application
LC2000	0.2 µm	Transfer of low molecular weight proteins (<20 kDa) and nucleic acids (<300 bp)
LC2001	0.45 µm	Transfer of most proteins (>20 kDa) and nucleic acids (>300 bp)

The major features of the Nitrocellulose membrane available from Invitrogen are:

- Composed of 100% pure nitrocellulose to provide high-quality transfer
- Contains no support fabric or detergents
- Compatible with commonly used transfer conditions and detection methods such as staining, immunodetection, fluorescence, or radiolabeling
- Provides high-sensitivity with low background
- Supplied in a pre-cut, pre-assembled membrane / filter paper sandwich for convenience

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### Specifications

The specifications of Nitrocellulose membrane are listed below.

Quantity:	20 membrane / filter paper sandwiches (sufficient for 20 transfers)
Pore Size:	0.2 µm (LC2000); 0.45 µm (LC2001)
Dimensions:	8.3 cm x 7.3 cm
Filter Media:	100% pure nitrocellulose
Binding Capacity:	209 µg/cm <sup>2</sup> of proteins (0.2 µm) 80 µg/cm <sup>2</sup> of proteins (0.45 µm)
Binding Interaction:	Hydrophobic and electrostatic
Re-probe Characteristics:	No

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### Applications

Nitrocellulose membrane is suitable for the following applications:

- Western, Southern, and Northern Transfers
- Amino Acid Analysis
- Dot/Slot Blotting

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## Instructions for Use, Continued

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### Accessory Products

Additional products for western blotting are available from Invitrogen (see below). For more information, visit our Web site at [www.invitrogen.com](http://www.invitrogen.com) or contact Technical Service.

Product	Quantity	Catalog no.
Novex <sup>®</sup> Tris-Glycine Transfer Buffer (25X)	500 ml	LC3675
NuPAGE <sup>®</sup> Transfer Buffer (20X)	1 L	NP0006-1
XCell II <sup>™</sup> Blot Module	1 unit	EI9051
WesternBreeze <sup>®</sup> Chromogenic Kit-Anti-Mouse	1 kit	WB7103
WesternBreeze <sup>®</sup> Chromogenic Kit-Anti-Rabbit	1 kit	WB7105
WesternBreeze <sup>®</sup> Chromogenic Kit-Anti-Goat	1 kit	WB7107
WesternBreeze <sup>®</sup> Chemiluminescent Kit-Anti-Mouse	1 kit	WB7104
WesternBreeze <sup>®</sup> Chemiluminescent Kit-Anti-Rabbit	1 kit	WB7106
WesternBreeze <sup>®</sup> Chemiluminescent Kit-Anti-Goat	1 kit	WB7108
MagicMark <sup>™</sup> Western Protein Standard	250 µl	LC5600
PVDF Membrane (0.2 µm pore size)	20 membrane/ filter papers	LC2002
Invitrolon <sup>™</sup> PVDF Membrane (0.45 µm pore size)	20 membrane/ filter papers	LC2005

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