MACHEREY-NAGEL

Transfer membranes, blotting papers, and surface protection

Transfer membranes

Features

- Cost effective membranes for nucleic acid and protein transfer
- High binding capacities allow for sensitive biomolecule detection
- Outstanding band resolution due to uniform, carefully controlled pore structure and size

Porablot PVDF REF 741260 (1 roll)

- Membrane material: Polyvinylidene difluoride (PVDF)
- Pore size: 0.20 µm
- Binding capacity: 50 – 100 µg/cm²*

Porablot NCP REF 741280 (1 roll)

- Membrane material: 100 % nitrocellulose
- Pore size: 0.45 µm
- Binding capacity: 100 µg/cm²

Porablot NCL REF 741290 (1 roll) / 7421291 (10 sheets)

- Membrane material: 100 % nitrocellulose with inert supporting tissue
- Pore size: 0.45 µm
- Binding capacity: 100 µg/cm²

Application overview for transfer membranes

Application		Porablot PVDF 0.2 µm	Porablot NCP 0.45 µm	Porablot NCL 0.45 µm
DNA	Southern capillary transfer	–	++	+++
	Vacuum transfer	–	+	++
	Electrotransfer	–	+	+
	Serum dot blot	–	++	+++
	Dot blot, slot blot	–	++	++
	Chemiluminescence detection	–	+	+
RNA	Northern capillary transfer	–	++	+++
	Electrotransfer	–	++	++
	Vacuum transfer	–	+	++
	Dot Blot, slot blot	–	++	++
Bacterial colonies	Colony and plague lifts	–	+	+++
	Replica plating	–	+	+++
Proteins	Direct staining with anionic dyes**	+++	++	++
	Immunochemical staining	+++	++	++
	Chemiluminescence detection	+++	+	+
	Western transfer	+++	++	++
	Dot Blot, slot blot	+++	++	++
	Sequencing	+++	–	–

+++ optimal membrane, ++ good sensitivity with different detection methods, + applicable, however with low sensitivity, – not recommended

* For large, globular proteins, such as immunoglobulins, for smaller peptides the binding capacity is correspondingly larger.

** Typical anionic dyes are Coomassie® blue, Ponceau S, and amido black.

Transfer membranes, blotting papers, and surface protection

Blotting papers

Applications

- Slot and dot blots (MN 827 B, MN 218 B)
- Capillary transfer (MN 827 B, MN 440 B)
- Electroblotting procedures: Tank blot (MN 218 B), semi-dry blotting (MN 827 B, MN 440 B)
- Vacuum blotting (MN 218 B, MN 827 B)

MN 218 B e. g. REF 742111 (100 sheets)*

- Speed: Slow
- Weight: 180 g/m²
- Thickness: 0.36 mm
- Migration acc. to Klemm: 55 – 65 mm/10 min
- Comparable to: Schleicher & Schüll GB 002, Whatman 3MM Chr

MN 827 B e. g. REF 742118 (100 sheets)*

- Speed: Fast
- Weight: 270 g/m²
- Thickness: 0.70 mm
- Migration acc. to Klemm: 130 – 140 mm/10 min
- Comparable to: Schleicher & Schüll GB 003

MN 440 B e. g. REF 742125 (100 sheets)*

- Speed: Medium fast
- Weight: 400 g/m²
- Thickness: 1 mm
- Migration acc. to Klemm: 130 – 145 mm/10 min
- Comparable to: Schleicher & Schüll GB 004, Whatman 17 Chr

Surface protection

Features

- Adsorbent top layer of filter paper backed with waterproof polyethylene
- Protects benches, floors, table-tops, fume cupboards etc. from soiling and possible damage

BIO-LAB-TOP

- Weight per surface area: 140 g/m²
- Thickness: 0.22 mm
- Water absorption: 210 – 230 mL/m²

Product	Pack of	REF
BIO-LAB-TOP	50 sheets (48 cm x 60 cm)	740800
BIO-LAB-TOP	100 sheets (48 cm x 60 cm)	740801
BIO-LAB-TOP	1 roll (48 cm x 50 m)	740810
BIO-LAB-TOP	1 roll (60 cm x 50 m)	740820
BIO-LAB-TOP	1 roll (60 cm x 100 m)	740821

* Please find further cut sizes of blotting papers and other detailed information about MACHEREY-NAGELs laboratory auxiliary equipment on our website: *www.mn-net.com/AUXILIARYTOOLS*

KATEN300304 Flyer Transfermembranes and Bottlingpapers en2a

www.mn-net.com

MACHEREY-NAGEL

TÜVRheinland CERTIFIED
Management System
EN ISO 13485:2016
ISO 9001:2015
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