

TotalBLOT™ PVDF Membranes

TotalBLOT PVDF Membranes are naturally hydrophobic poly-vinylidene fluoride membranes that suit Western protein transfers and nucleic acids blotting. The membranes must be wetted with 100% methanol before use. Both membranes should be handled using gloves or forceps to prevent membrane contamination. Either scissors or a sharp scalpel should be used to cut the membranes.

Description	Cat.#	Qty
TotalBLOT™ PVDF Membranes	T07580	5 (15 cm x 15 cm)
	T07590	10 (10 cm x 10 cm)
	982420	1 Roll (30 cm x 3 m)

TotalBLOT™ Northern and Southern Kits

TotalBLOT Northern and Southern Kits are complete kits for electrophoresis and transfer of RNA or DNA samples onto a nylon membrane using high-salt buffer. Each kit provides the necessary reagents (membranes optional) for the detection and analysis of nucleic acids, excepted probes (primer) and staining reagents.

Description	Cat.#	Qty
TotalBLOT™ Northern Kit, with membranes	N13690	10 (10 cm x 10 cm)
	N13691	5 (15 cm x 15 cm)
TotalBLOT™ Northern Kit, without membranes	N13670	1 Kit
TotalBLOT™ Southern Kit, with membranes	N13700	10 (10 cm x 10 cm)
	N13701	5 (15 cm x 15 cm)
TotalBLOT™ Southern Kit, without membranes	N13680	1 Kit

TotalBLOT+™ Membranes

TotalBLOT+ Membranes are naturally hydrophilic nylon membranes with high binding capacity that do not require pre-wetting before use. The membranes are mechanically strong and resistant to tearing or cracking, making removal from agarose gels particularly easy.

Description	Cat.#	Qty
TotalBLOT+™ Membranes	T07550	5 (15 cm x 15 cm)
	420960	10 (10 cm x 10 cm)
	147990	1 Roll (30 cm x 3 m)

TotalBLOT™ Northern Kit Components :

Agarose I	10 g
10X MOPS	2 x 500 ml
37% Formaldehyde	200 ml
20X SSC Buffer	4 L
Total-BLOT+ Nylon Membranes	Optional

TotalBLOT™ Southern Kit Components :

Agarose I	10 g
TBE Buffer	1 paxk (10 L)
Depurination Solution	1 L
Denaturing Solution	1 L
Neutralizing Solution	1 L
20X SSC Buffer	4 L
TotalBLOT+ Nylon Membranes	Optional

Blotting

Blotting Membranes & Northern and Southern kits

Nytran® N Blotting membranes

Moderately Charged Nylon Membranes

Nytran N is designed for Southern and Northern blotting, as well as colony & plaque lifts and Dot-/Slot-blot. This membrane is ideal for researchers who prefer a lower charge. Nytran N is compatible with isotopic and non-isotopic detection methods. Same qualities as Nytran SPC.

Nytran N is manufactured using the same technology as Nytran SPC, and is a highly consistent membrane with uniform pore size and distribution. Two pore sizes available Nytran N is available in 0.2 and 0.45 µm pore sizes for optimal retention of oligos and larger DNA fragments.

Description	Pore size	Size	Cat.# - (0.45 µm)	Qty	
Disks	0.45 µm	82 mm	BP7700	50	
	0.45 µm	132 mm	BP7710	50	
	0.45 µm	137 mm	BP7720	50	
Sheets	0.2	10 x 15 cm	BP7730	10	
	0.2	20 x 20 cm	BP7740	10	
	0.2	15 x 15 cm	BP7750	10	
	0.2	25 x 25 cm	BP7760	10	
	0.2	30 x 60 cm	BP7770	5	
	0.45	20 x 20 cm	BP7780	10	
	0.45	11 x 14 cm	BP7790	10	
	0.45	15 x 15 cm	BP7800	10	
	0.45	25 x 25 cm	BP7810	10	
	0.45	30 x 60 cm	BP7830	5	
	0.45	10.2 x 13.3 cm ^[1]	BP7840	10	
	0.45	6.3 x 22.8 cm ^[2]	BP7850	10	
	Rolls	0.2	20 cm x 3 m	BP7860	1
		0.2	30 cm x 3 m	BP7870	1
0.45		20 cm x 3 m	BP7880	1	
0.45		30 cm x 3 m	BP7890	1	

[1] The corners are notched for use with the Minifold®I System. - [2] Cut to fit the Minifold®II Slot-Bot System.

Nytran® SuPerCharge Nylon Transfer Membrane

◆ Highest positive charge

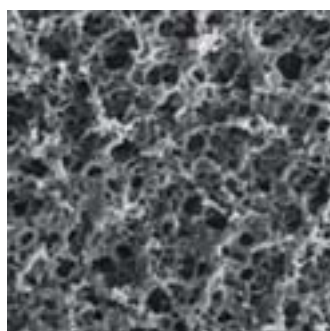
Nytran SuPerCharge (SPC) nylon membranes have a very high positive charge. Improvements in the manufacturing process result in a membrane with a higher density of nylon per unit area. The Increased charge and greater nylon density provide increased binding sites for your samples.

◆ Consistent membrane Morphology

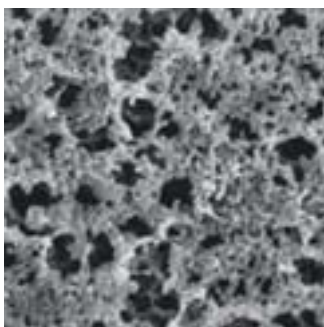
Standard nylon membranes show a wide range of pore sizes. Nytran SuPerCharge membrane uniform pore size (0.45 µm) and pore distribution leads to greater reproducibility of results across a membrane and from blot to blot. Scanning electron micrographs of Nytran SuPerCharge and typical nylon membranes reveal the consistency of this new membrane (see figure). Both images are positively-charged nylon, magnified 1250X.

◆ Low background

Poor signal to noise ratios have been associated with positively charged membranes in the past, particularly in association with chemiluminescent detection. Whether using radioactive or non-radioactive detection techniques, Nytran SuPerCharge consistently gives a high signal with extremely low background.



A : SEM 1250x structure of Nytran SuPerCharge Membrane



B : SEM 1250x structure of Typical Membrane

Description	Size	Cat.# - (0.45 µm)	Qty/Pkg
Circles	82 mm	BP7910	50
	87 mm	BP7920	50
	132 mm	BP7930	50
	137 mm	BP7950	50
Sheets	10 x 15 cm	BP7960	10
	15 x 20 cm	BP7970	10
	20 x 20 cm	BP7980	10
	11 x 14 cm	BP7990	10
	15 x 15 cm	BP8000	10
	25 x 25 cm	BP8010	10
	30 x 60 cm	BP8020	5
	22.2 x 22.2 cm ^[1]	BP8050	48
Rolls	20 cm x 3 m	BP8060	1
	30 cm x 3 m	BP8070	1

[1] Macroarray membrane size