

Simplify and Improve Western Blotting with Invitrolon™ PVDF



Invitrolon™ PVDF are pre-cut, high-quality 0.45 µm pore size polyvinylidene difluoride (PVDF) membrane/filter paper sandwiches. They are specially designed to make western blotting easier and improve results. With the Invitrolon™ PVDF/filter paper sandwiches, you'll get:

- Convenient and fast blotting set-up
- Higher signal-to-background ratio in western blotting
- Superior re-probing capabilities

Convenient set-up for blotting

The Invitrolon™ pre-cut, pre-assembled PVDF membrane/filter paper sandwiches allow you to easily and quickly assemble mini-gels for western blotting. Both the 0.45 µm PVDF membrane and filter papers are pre-cut to 8.3 cm x 7.3 cm to perfectly fit Novex® mini-gels and other gels with similar dimensions. You no longer need to go through the tedious process of measuring and cutting membranes and filter papers, saving you time and effort.

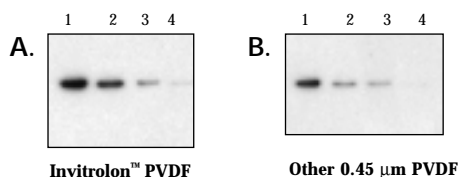
Durable membranes

If your experiments require stripping and reprobing with different antibodies, Invitrolon™ PVDF is your best choice. The superior tensile strength and handling properties of Invitrolon™ PVDF allow multiple reproblings, saving your protein samples and efforts. In addition, Invitrolon™ PVDF is solvent-resistant and can be used for protein sequencing and amino acid analysis.

Improve western sensitivity

The uniform pore size of 0.45 µm and high binding capacity of Invitrolon™ PVDF membranes make them ideal for western blotting applications. Invitrolon™ clearly provides higher signal and lower background in your western blots than other commercially available PVDF membranes (Figure 1).

Figure 1 - High-signal western results achieved with Invitrolon™ PVDF



A 53 kDa protein containing a *c-myc* epitope was western transferred onto Invitrolon™ PVDF (A) and another manufacturer's 0.45 µm PVDF (B) membrane. Both PVDF membranes were probed with a 1:500 dilution of mouse Anti-*myc* antibody then developed with the WesternBreeze® Chemiluminescent Anti-Mouse Kit. Blots shown are after a 2-minute exposure on X-ray film.

Lanes 1-4: 2 ng, 1 ng, 0.5 ng, and 0.2 ng of protein, respectively

Simplify your blotting

Say good-bye to the tedious process of measuring and cutting membrane and filter paper. Simplify and improve your daily western blot experiments with the pre-cut, high-quality Invitrolon™ PVDF. Call Invitrogen today to place your order.

Description	Quantity	Cat. no.
Invitrolon™ PVDF, (0.45 µm, 8.3 cm x 7.3 cm)	20 membrane/ filter paper sandwiches	LC2005
Invitrolon™ PVDF, dual pack (0.45 µm, 8.3 cm x 7.3 cm)	2 x 20 membrane/ filter paper sandwiches	LC2005-2

Broad selection of pre-cut membranes

A protein's properties (i.e. charge, hydrophobicity etc.) affect its ability to bind to membrane surfaces. Finding the right membrane may require experimenting with your specific protein on different membranes. For this reason Invitrogen offers a variety of pre-cut membrane/filter paper sandwiches (Table 1) in addition to Invitrolon™ PVDF membrane.

Table 1 - Other pre-cut membrane/filter paper sandwiches available

Membrane	Applications	Size	Cat. no.
Nitrocellulose, 0.2 µm pore size	Western transfers, solid phase assay systems, amino acid analysis	8.3 cm x 7.3 cm	LC2000
Nitrocellulose, 0.45 µm pore size	Western transfers, solid phase assay systems, amino acid analysis	8.3 cm x 7.3 cm	LC2001
PVDF, 0.2 µm pore size	Western transfers, protein sequencing, solid phase assay systems, amino acid analysis	8.3 cm x 7.3 cm	LC2002
Nylon, 0.45 µm pore size	Southern, northern, and western transfers, solid , phase immobilization, dry chemistry test strips, enzyme immobilization, gene probe assays	8.3 cm x 7.3 cm	LC2003