ProtoLift Western Stripping Buffer

national diagnostics

Western Stripping Solution for PVDF Membranes

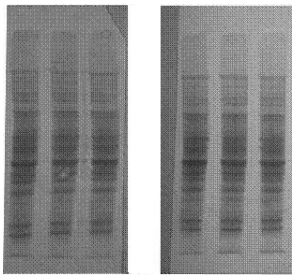
- Strip PVDF blots in 10 minutes
- Contains no harsh detergents
- Non-acidic

The ProtoLift Western Stripping Buffer is a technology that will enable you to more effectively strip and reprobe your PVDF blots. Designed specifically for PVDF membranes, the ProtoLift Western Stripping Buffer will allow you to:

- Strip PVDF blots within 10 minutes
- Strip antibodies without removing target protein from the membrane
- Strip at room temperature
- Strip and reprobe PVDF membranes multiple times without loss of signal

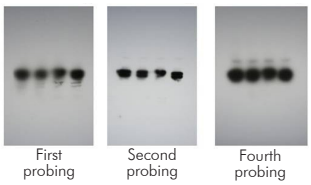
ProtoLift Western Stripping Solution Does Not Remove Target Protein from the Membrane

Figure 1



Twenty-five µg per lane of a mouse liver extract was resolved on a 10% SDS-PAGE gel and blotted on a PVDF membrane. One half was stripped with ProtoLift Western Stripping Buffer. The membranes were stained in Coomassie Blue R-250 solution. There is no detectable difference in the intensity of protein staining between the stripped and the control membranes.

Figure 2



Fifty µg per lane of a mouse liver extract was resolved on a 10% SDS-PAGE gel and blotted on a PVDF membrane. The blot was probed with an anti-GAPDH antibody. The blot was stripped with ProtoLift Western Stripping Solution and reprobed four times. The fourth probing showed no loss of signal.

Stripping Procedure

ProtoLift Western Stripping Buffer is straightforward to use. The procedure is outlined below. ***CAUTION:*** This procedure requires the use of mercaptoethanol, a hazardous substance. Work in a fume hood.

1. Probe the membrane using your preferred protocol. (do not allow the membrane to dry before stripping)
2. Rinse the membrane in two washes of PBS or TBS.
3. Prepare a working ProtoLift Western Stripping Buffer solution by adding 2-mercaptoethanol to 0.7% (v/v). To prepare 10 ml of working solution, add 70 µl mercaptoethanol to 10 ml ProtoLift stock solution.
4. Place the membrane in a dish and add enough working solution to completely immerse the membrane. Alternatively, the membrane can be sealed in a plastic bag with the working solution.
5. Incubate at room temperature for 10 minutes with shaking. PVDF membranes will become transparent in the solution. This is normal and the membrane will return to its regular appearance after the stripping solution is removed.
6. Wash the membrane three times for 10 minutes each with large volumes of PBS or TBS to remove the stripping solution and reducing agent.

The blot is now ready to be reprobed.

Note: Neither this protocol nor ProtoLift Western Stripping Buffer is recommended for nitrocellulose blotting.

ProtoLift Western Stripping Buffer 100 ml	EC-889

For more information or order placement:

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