



Rapid Immunodetection

The following protocol describes a new method of immunodetection, specially designed for PVDF-membranes (Art.-Nos. T830, T831.1, 8989). By the use of dry membranes for detection, blocking and some washing steps can be omitted, allowing the procedure to be finished in **2.5 hours**. Compatible with chromogenic and chemiluminescent substrates.

Membrane Drying:

Following the blotting, dry membranes at 37 °C (approx. 1 h) or at room temperature (RT) (approx. 2 h). Membranes must be **thoroughly dry**.

Protocol:

- Incubate in primary antibody¹ (diluted in blocking solution²) with gentle agitation, 1 h, RT. Be careful to fully cover membranes with antibody solution.
- 3 x washing in PBS³ for 5 min each, RT
- Incubate in secondary antibody¹ (diluted in blocking solution²) with gentle agitation, 30 min, RT
- 3 x washing in PBS³ for 5 min each, RT
- Detect immuno complexes by chromogenic⁴ or chemoluminescent⁵ detection

Please note: This protocol is not recommended for detection of very low amounts of protein.

¹ Primary & secondary antibodies at www.carlroth.com > Life Science > Biochemistry > Western & ELISA > Antibodies

² ROTI®Block: Art. No. A151

³ Phosphate Buffered Saline - ROTI®Stock 10 X PBS sterile stock solution: Art. No 1058

⁴ NBT: Art. No. 4421; BCIP: Art. No. 6368

⁵ ROTI®Lumin: Art. No. P078 ; ROTI®Lumin plus: Art. No. 3692 ; ROTI®Lumin ultra: Art. No. 3734