

## Regeneration of membranes

### Description

The removal of bound proteins should be carried out in two steps.

1. Treatment of the membrane 3x 10 min at with an aqueous solution of 8 M urea, 1% SDS and 0.1 % Mercaptoethanol at room temperature
2. After washing twice with water the membrane should be treated for 3x 10 min at room temperature using 50% EtOH, 40% water, and 10% AcOH.

After finishing the second regeneration step, wash the membrane at least three times with TBS, followed by washing three times with water.

If the membrane is not going to be used immediately, it may be washed three times with MeOH and air-dried. After drying, the membrane may be transferred into a labeled sealable plastic bag for storage at -20°C or below.

Note: An incomplete regeneration could often occur. Therefore, it is recommended to always use new membranes; if not, then the membrane should be probed first with the control and then with the protein sample. For further probing with the same membrane, completeness of the regeneration should be checked by performing the detection without the protein sample. All detectable signals should be found in the previous negative control. Additional signals seen with the sample probe should have disappeared.  
Stained spots are generally very hard to regenerate.

For further questions or information please do not hesitate to contact us via  
Tel: +49 (0)3302 202 2000 or E-Mail: [lips@peptides.de](mailto:lips@peptides.de).