

## Minute™ WB Stripping Solution

Cat. No. WA-003

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### Description

Minute™ WB Stripping Solution is designed to rapidly strip antibodies bound to antigens on Western blotting membranes using chemiluminescent substrate. One of the major advantages of chemiluminescent detection is high sensitivity and the ability to strip reagents from a blot and re-probe the same blot. Re-probing Western blots are very useful for optimizing the blotting conditions such as testing different antibody dilution and membrane blocking conditions. The key to this process is to use conditions that cause the release of antibody from the antigen without causing a significant amount of antigen to be released from the membrane. During the stripping procedure, small amount of antigen is inevitably lost from the membrane. It is important to minimize this loss by stripping the antibody under gentle conditions. Minute WB stripping solution is able to achieve maximum removal of antibodies from a membrane and preserving the integrity of the antigen in 12-15 min without using harsh conditions such as boiling and treated with strong reducing agents. A blot can be stripped and re-probed multiple times to visualize multiple proteins or to optimize experimental conditions without the need for running multiple gels.

**Major Features:** Ready to use solution, short incubation time (12-15 min), gentle stripping conditions and long shelf life (>2 year at RT).

### Protocol

1. Prior to use, rinse Western blotting membrane once with deionized H<sub>2</sub>O to remove ECL substrate on the membrane and drain water completely.
2. Incubate the membrane with proper amount of WB stripping solution (enough to submerge the membrane) and shake in an orbital shaker for 12-15 min.
3. Wash the membrane 3 times, each 1 min with 1 X PBS. The membrane is now regenerated and ready to be re-probed with new primary antibodies. We recommend to re-block the membrane with 5% non-fat milk in PBS or other blocking solution prior to re-probe the membrane to reduce the background. If background is not a problem, re-blocking can be omitted. In case of incomplete stripping, add fresh 2-mercaptoethanol to the stripping solution to a final concentration of 1% (100ul for 10 ml stripping solution) and increase incubation time to 20 min.

**Package:** 250 ml

**Shipping and storage:** Ship and store at RT