GRS Stripping Solution

#GB20.0500

(for research only)

Product: ready-to-use stripping solution for removing antibodies from developed nitrocellulose or PVDF membranes allowing reprobing with other antibodies.

Quantity: 500ml

Storage: room temperature for at least 1,5 years

GRS Stripping Solution is designed for removing antibodies from developed membranes after Western Blotting, allowing for multiple detection with other sets of antibodies (reprobing). The GRS Stripping Solution weakens protein-protein interactions and therefore removes primary and secondary antibodies from membranes, whilst transferred proteins remain on the membrane and the membrane itself undamaged. The solution does not contain DTT or β-mercaptoethanol, thus leaving disulfide bridges intact. The GRS Stripping Solution cannot be used with colourimetric substrates that precipitate (e.g. DAB or BCIP/NBT) but is intended for chemiluminescence or fluorescence detection.

Protocol

1. After Western Blotting, image the blot for permanent record, and then rinse the blot with 20ml of water for 5 minutes at room temperature, using an orbital shaker.
2. Decant and incubate the membrane in a container containing 10-20ml of GRS Stripping Buffer (membrane must be completely covered) at room temperature for 5-10 minutes, using an orbital shaker
3. After stripping, wash the membrane extensively (min 3x) with wash buffer (e.g. TBS(T) or PBS(T)).
4. After washing, block the membrane as usual.
5. After blocking the membrane is ready for the next detection with other set of antibodies.

   Note: Because Stripping may reduce signal intensity, it is recommended to probe first for the antigen with the lowest level of expression. If more stringent stripping is required, one could add reducing agent (DTT or β-mercaptoethanol) to the stripping buffer and/or heat the blot during the stripping procedure.

GRiSP Research Solutions
Rua Alfredo Allen, 455
4200-135 Porto
Portugal
www.grisp.pt | info@grisp.pt