IS0381 WB / Antibody Stripping Buffer

Size: 200 ml - To Strip 20 Small Format Blots (5-10 ml of Buffer/Blot)

Lot # Check on the product label

Introduction

WB Stripping Buffer is used for the recycle of deproteinized membrane in WB. In WB, after completing the conjugation of the primary and secondary antibodies as well as the later chemiluminescence, sometimes end user has to detect the proteins with stable expression level like Actin and Tubulin, etc. for reference, or test other proteins for comparison. But for this reagent, through dissociating the conjugation of primary, secondary antibodies and antigens, it removes primary and secondary antibodies from the membrane, then end user can reuse the same membrane to detect other proteins. Thus, compare with running a fresh SDS-PAGE gel, this reagent helps to eliminate the loading error and makes the experiment more comparable and accurate.

For excluding the frequently-used β-Mercaptoethanol, this reagent is nontoxic, tasteless and harmless, can be used at room temperature. This reagent is enough for at least 5 times WB detections on the same membrane, and the whole detection can be completed within15-30 min.

With the unique component, it is efficient, and has no harm to the proteins.

Kit Components

Components	Size	Storage Instruction
WB Stripping Buffer (Antibody Stripping Buffer)	200 ml	Store at 4℃ for one year, or at -20℃ for long term.

Protocol

1. Wash membrane with TBS-T for 3 times, 10 min each. Immerse it into appropriate volume of WB Stripping Buffer, incubate at room temperature for 15-30 min and shake slowly. (Note: lengthen washing time to 30-60 min for some special antibodies).
2. Take out membrane with tweezer. Elute with TBS-T once and wash for 5 min then.
3. Seal with defatted milk powder or BSA, proceed to the next step.

Notes

1. For horseradish peroxidase system, 5% defatted milk powder should be used for each seal, and for alkaline phosphatase system, casein should be used for each seal.
2. This WB stripping buffer only work on PVDF membrane. The protein transferred to the membrane will has a large loss when use NC membrane.
3. This buffer can work for WB detection by using ECL similar chemiluminescence reagents, but not work for non-chemiluminescence reagents, such as DAB, NBT/BCIP.
4. Please wear the lab coat and disposable gloves to operate.