

## 101Bio WB Stripping Solution

**Cat. #:** P5W3 (250 ml)

**Shipping and Storage:** Ship and store at RT.

**Shelf Life:** 24 months

### Product Description:

101Bio 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.

101Bio WB stripping solution can achieve **maximum removal of antibodies** from a membrane and **preserving the integrity of the antigen** in 12-15 minutes 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 minutes), gentle stripping conditions and long shelf life (2 years at RT).

This product is for research use only.

**Product Contents** (store at RT)

Component	Amount
101Bio WB Stripping Solution	250 ml

### Protocol:

1. Prior to use, rinse Western Blot 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 minutes.
3. Wash the membrane 3 times, with 1x PBS for 1 minute each time. The membrane is now stripped 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.

**Note:** In case of incomplete stripping, add fresh 2-mercaptoethanol to the stripping solution to a final concentration of 1% (eg. 100ul for 10 ml stripping solution) and increase incubation time to 20 minutes.

## Related products

Cat.#	Kit Name	Application	Protein Status	Minute
P501	Total protein kit	cells → total protein	denatured / native	1 ~ 8
P502	Total protein kit	tissues → total protein	denatured / native	1 ~ 8
P503	Membrane protein kit	cells / tissues → membrane protein	native , detergent-free	20 ~ 45
P504	Nuclear protein kit	cells / tissues → nuclear & cytosol protein	native	6 ~ 8
P505	Detergent-free kit	cells → total protein	denatured / native	5 ~ 8
P506	Detergent-free kit	Tissues → total protein	denatured / native	5 ~ 8
P507	Mitochondria kit	cells / tissues → mitochondria	native, detergent-free	25 ~ 30
P508	Plant total protein	plant tissues → total protein	denatured/native	5 ~ 8
P510	Plant detergent-free	plant tissues → total protein	native	6 ~ 8
P511	Plant chloroplast kit	plant tissues → intact chloroplast		5
P518	Plant Microsomal Membrane Extraction	plant tissues → microsomal membrane	native	1 hr
P512	Bacteria total protein	bacteria → total protein	denatured	2 ~ 3
P513	Nuclear envelope kit	cells → nuclear envelope	native	< 45
P514	Histone/DNA binding protein extraction kit	cells → histone & dna binding protein	denatured	< 10
P515	Thick cell wall microbes protein kit	microbes → total protein	denatured / native	< 10
P519	Gel slice recovery kit	PAGE gel → protein	denatured / native	10 ~ 20
P521	Hair & nail protein kit	hair, nail → protein	denatured	5 min. hands on
P522	Adipose protein kit	adipose → total protein	denatured / native	20
P523	Adipose fractionation	adipose → water soluble/insoluble protein	native	40
P524	Nuclei isolation kit	cells / tissues → intact nuclei	native, detergent-free	20
P525	FFPE protein kit	FFPE tissues → protein	denatured	60
P528	Endosome isolation kit	cells / tissues → endosome	denatured	20 min. hands on
P529	Adipose nuclei and cytosol isolation kit	adipose tissues → nuclei & cytosol	native	30

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