

Western Wash Buffer (10X)

Introduction

Western Wash Buffer (10X) can be used for washing membranes after primary or secondary antibody incubation in Western blotting. Proper washing reduces background and enhances the signal-to-noise ratio.

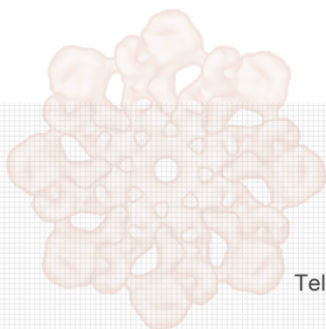
Based on a wash volume of 5–10 mL of Western Wash Buffer (1X) per membrane, one 100 mL package of Western Wash Buffer (10X) can be used for 100–200 washes.

Protocol

1. Pour one bottle of Western Wash Buffer (10X) into a clean graduated cylinder. Add distilled water, mix well, and bring the volume to 1 liter to prepare Western Wash Buffer (1X), which is ready for use in Western washing. Any unused diluted buffer can be stored at room temperature and is generally usable within 1–2 weeks. If the buffer becomes turbid, develops precipitate, or shows any other abnormalities, it should be discarded.
2. After completion of primary or secondary antibody incubation, add a small amount of Western Wash Buffer (1X) sufficient to cover the protein membrane. Wash on an orbital shaker for 5 minutes, then aspirate the wash buffer and add fresh wash buffer. Repeat for a total of 3 washes, each lasting 5 minutes. Then proceed with subsequent steps. If the Western blot background remains high under the above washing conditions, the wash time can be extended and the number of washes increased. Generally, extending wash time or increasing the number of washes does not negatively affect Western blot results.

Note

1. This product has been sterilized by filtration. Avoid bacterial contamination during use. It is recommended to use the buffer within 2 weeks after opening.
2. Storage conditions: Store at 4°C, where the product is stable for one year. For long-term storage, keep at -20°C. The product remains stable for one month when stored at room temperature.
3. This product is for scientific research use only.



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