

Western Rapid Transfer Buffer (1×, Powder)

Catalogue Information

| Catalogue No. | Product Name | Pack Size |
|---------------|--|-----------|
| WS BL1311B | Western Rapid Transfer Buffer (1×, Powder) | 10 x 1L |

Product Description

The 1× Western Rapid Transfer Buffer (powder) is a buffer reagent used for Western blotting protein transfer. When using this rapid transfer buffer:

- At 500 mA constant current, transfer for 15–20 minutes (recommended with external ice bath), or
- At 400 mA constant current, transfer for about 20–30 minutes (can be done without external ice bath, using only an internal ice box).

This buffer efficiently transfers proteins from polyacrylamide gels to PVDF or nitrocellulose (NC) membranes with minimal heat generation and high transfer efficiency. In contrast, traditional transfer buffers require longer transfer times under the same conditions.

This product is safe and non-toxic, does not contain SDS or methanol, and is provided as a pre-mixed powder that requires preparation before use.

Usage Instructions

1. Pour one packet of powder (sufficient to prepare 1 L of Western Rapid Transfer Buffer) into a clean beaker.
2. Add approximately 700 mL of distilled water and stir until fully dissolved.
3. Add 200 mL of anhydrous ethanol or 210 mL of 95 % ethanol, then adjust the final volume to 1 L with distilled water. Mix well before use.

Unused buffer can be stored at room temperature or 4 °C and remains effective for up to two weeks.

If the buffer turns light brown or yellowish, it should be discarded.

Note:

This product does not contain SDS. For high-molecular-weight or strongly hydrophobic proteins, adding a small amount of SDS may enhance transfer efficiency (recommended working concentration: 0.025 – 0.1 %).

Precautions

1. Discard prepared buffer if it becomes light brown or yellowish.
2. If precipitation occurs during storage at 4 °C, warm the buffer in a water bath and fully dissolve before reuse.
3. This product is for scientific research use by trained professionals only. Not for clinical diagnosis or treatment, and not for use with food or pharmaceuticals. Do not store in residential areas.
4. For safety, wear a lab coat and disposable gloves during operation.

Storage Conditions

Store at room temperature.

Shelf life: 2 years

Notice

For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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