

## Quick Western Transfer Buffer (1×, powder)

**Cat:** D1064

**Package:** 1L/10\*1L

**Storage:** RT, Valid for 1 year.

### Product description:

Quick Western Transfer Buffer (1×, powder) is an efficient, safe and non-toxic protein transfer product. It can be used for transfer of protein from PAGE gel to PVDF or NC membrane efficiently and quickly by Western Blot wet transfer method. The heat generated by the transfer process is less than that of the ordinary transfer film buffer, and no additional ice bath is required. If the detection time is longer, only need to use the ice box in the transfer tank to cool down, and the whole process of transfer can be quickly completed within 5-30min.

This product is safe and non-toxic, powder form is convenient to store, before use need to dissolve with pure water, and add 10% anhydrous ethanol, the final volume of 1L.

### Product features:

1. Safe and non-toxic: No methanol is used to reduce the use of toxic reagents.
2. Fast and stable: It can quickly complete the transfer process within 5-30min, with less heat production and good transfer effect.
3. Good compatibility: compatible with Tris-Gly system, HEPEs system, Bis-Tris system and other gels.

### Instructions: (need to bring pure water and anhydrous ethanol)

1. 1× rapid film transfer solution preparation: Take all 1L dry powder + 800mL deionized water + 100mL anhydrous ethanol, constant volume to 1L, mix well, store at 4°C and reserve.
2. Prepare the transfer film and gel, and assemble the printing equipment.
3. Add 1× rapid film transfer solution to the transfer slot and set a constant current of 400mA. For large molecular weight proteins, the transfer time can be appropriately increased. If the transfer time is greater than 30min, only use an ice box to cool down in the transfer tank.

### Notes:

1. After preparing the transfer liquid, pre-cool it at 4°C or in an ice bath.
2. If WB membrane is PVDF membrane, it should be activated with anhydrous methanol before transfer.
3. Due to less heat production when using this product, the 400mA constant flow film can be cooled without ice for 30min. If the transfer time is greater than 30min, only use an ice box to cool down in the transfer tank.
4. Target protein  $\leq 25\text{kDa}$ , constant current 400mA, transfer time 5-10min;  
25kDa < target protein  $\leq 50\text{kDa}$ , constant current 400mA, transfer time 10-20min;  
50kDa < target protein  $\leq 75\text{kDa}$ , constant current 400mA, transfer time 20-30min;  
75kDa < target protein  $\leq 100\text{kDa}$ , constant current 400mA, transfer time 30-40min;  
Target protein  $> 100\text{kDa}$ , constant current 400mA, the transfer time was calculated at the rate of 2.5kDa/min.
5. This product is only used for scientific research by professionals, shall not be used for clinical diagnosis or treatment, shall not be used for food or medicine, and shall not be stored in ordinary homes.
6. For your safety and health, please wear a lab coat and disposable gloves.

### Related product:

SW3012 Protein-free rapid blocking solution