

Ordinary transfer buffer

Product Number: S080135

Shipping and Storage

Transportation and storage at room temperature, with a shelf life of 24 months.

Component

Component	S080135
Ordinary transfer buffer (Powder)	1L

Description

This product's Ordinary transfer buffer is suitable for wet or semi dry film transfer in Western Blot experiments. This product has a fine powder, dissolves quickly, and is convenient to use. The main components of this product are 20mM Tris and 192mM glycine, pH8.2-8.6@25°C.

Protocol

1. Dissolve each bag of transfer buffer dry powder in 600mL of water, then add 200mL of methanol (which can be replaced by ethanol) and mix thoroughly. Add water to make up to 1000mL;
2. For conventional small and medium molecular weight proteins (25-70kDa), it is recommended to transfer the membrane under 300mA for approximately 30 minutes;
3. For conventional high molecular weight proteins, the membrane transfer time can be extended as appropriate. It is recommended to use a membrane transfer condition of 300mA for 45-60 minutes;
4. For small molecular weight proteins below 20kDa, it is recommended to use 0.22µm PVDF membrane with smaller pore size. The membrane transfer conditions are 200mA, 20-25 min or 300mA, 15-20 min. The methanol (ethanol can be used to replace) content can also be increased to 25% to strengthen the fixation of small molecular weight proteins in the gel;
5. For proteins with extremely large molecular weight, it is recommended that the membrane transfer condition be 300mA, 60-90 min or longer to extend the membrane transfer time. You can also add an appropriate amount of SDS in the membrane transfer solution to the final concentration of about 0.025-0.1% to enhance the release of proteins from the gel. Meanwhile, due to the long film transfer time, attention should be paid to the cooling effect of the cooling module, and if necessary, a new cooling module can be replaced midway.

Note

1. Please use as soon as possible after dissolution.
2. It is not recommended to recycle the transfer buffer solution. If light brown or yellow brown appears after recycling, it should be discarded in a timely manner.
3. Please wear lab clothes and disposable gloves during operation.