



**PROMETHEUS**<sup>TM</sup>

Protein Biology Products

Short Protocol

## Rapid Transfer Buffer

Enhanced protein transfer for improved sensitivity

### For Catalog Numbers

<b>Cat # 20-312</b>	Rapid Transfer Buffer, 50x concentrate, 250 ml
<b>Cat # 20-312B</b>	Rapid Transfer Buffer, 50x concentrate, 500 ml

## Rapid Transfer Buffer

### Storage Information

Stable for at least one year when stored at room temperature.

### Short Protocol

#### Preparation of 1x Rapid Transfer Buffer

##### Step

1. For each 1L of 1x buffer, combine 20 ml of 50x Rapid Transfer Buffer, 200ml of methanol and 780ml water. The diluted buffer is stable at room temperature so larger volumes of the 1x buffer can be prepared and stored for future use.

---

  2. To avoid air bubbles in the buffer, prepare the buffer at least one day before use and allow to sit in the bottle at room temperature. For immediate use, buffer may be degassed for 10 minutes.
-

## Short Protocol continued

### Transfer

#### Step

1. Follow standard protocol for SDS-PAGE.

---

2. Arrange transfer apparatus per manufacturer's instructions using 1x Rapid Transfer Buffer.

---

3. Conduct transfer at room temperature for 15-20 minutes at 12 V/cm. For example, for the Bio-Rad Mini-PROTEAN® transfer cell which has a 4.6 cm distance between electrodes, conduct the transfer at 55 V. **Please note:** For complete transfer of proteins larger than 150 kDa, conduct the transfer for 30 minutes with a constant current of 300 mA with any transfer apparatus.

---

4. Following the transfer, rinse the blot in water on a shaker for 10 minutes.

---

5. Continue with Western blotting according to your protocol.

---