

Fast Transfer Buffer (Powder)

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1. Product Introduction

The unique transfer formula of this product enables the film transfer to be completed within 30-60 minutes. Under the same conditions, using this transfer solution can save more than half of the time (compared with traditional transfer solutions). This product has a high transfer efficiency for high-molecular-weight bands.

This product generates low heat. Under a constant of 400 mA, transfer printing does not require pre-cooling and ice bath for within 30 minutes .

Please soak the gel in deionized water for 1-2 minutes before using this product.

When used in combination with ACE's FuturePAGE™ protein pre-prepared gel products, better results can be achieved.

Storage conditions:

The product can be stored at 2-8 °C for twelve months.

2. Use Instructions

1000 mL transfer buffer (1x): Dissolve the powder packet in 800 mL of deionized water and add 200 mL methanol (or ethanol) until dissolved completely.

3. Film transfer conditions reference

3.1 FuturePAGE™ Gradient glue, concentration 4-20%, thickness 1.0mm.

160 KD protein at 4 µg, with a constant current of 400 mA, the protein band was completely transferred to the membrane after 30 minutes of transfer. After staining the gel with Coomas brilliant Blue R250, there was no visually visible residue of the band.

3.2 A constant current of 400 mA is the recommended current usage condition. Please set the transfer time reasonably based on the gel concentration, thickness and the molecular weight of the protein to be transferred.

For FuturePAGE™4-20% gradient gel (1.0mm thickness), 30 minutes for below 160 KD, 30 to 60 minutes for 160 to 180 KD, and over 60 minutes for 180 KD.

4. Precautions

4.1 For your safety and health, please wear a lab coat and disposable gloves when operating.

4.2 When using, please pour out the powder packet as thoroughly as possible to avoid leaving too many components.

4.3 The transfer solution prepared for each powder packet should not be used more than twice.

4.4 For transfers over 30 minutes, please take an appropriate ice bath.

4.5 This product is for research use only.

5. Related Products

Product	Cat.No.	Size
Fast Transfer Buffer (Powder)	BR0011-01	10 PKs/Box