20 × Universal Rapid Electrophoresis Buffer

Catalog #: RA10044

Product Overview

This product is compatible with various manual and precast gel systems of the SDS-PAGE system (such as Tris- glycine, Tris -MOPS, etc.), and can complete electrophoresis in just 20-30 minutes, greatly saving time; it is also more effective in separating small molecule proteins, making the bands sharper and clearer.

Product Information

Product Name	Storage conditions	Specification
20 × Universal Rapid Electrophoresis Buffer	2 -8℃	500mL
Manual	-	1pcs

1. Store at 2-8℃ ; shelf life is 1 year.
2. SDS-PAGE experiments can be further improved by using the Instant Gel Broad-Spectrum Gradient Gel Spreader Kit .

Product Advantages

- **Universal type:** Gel preparation kits and pre-made gels that are compatible with various systems **.**
- **Highly efficient and time-saving:** 15-35 min rapid electrophoresis.
- **Recyclable:** Can be reused 2-3 times.

Operating procedures

1. Take an appropriate amount of this product and dilute it with $_{dd}$ H2O to make a 1× working solution (e.g., $_{add}$ 950 ml of dd H2O to 50 ml of this product) .
2. Add the diluted electrophoresis working solution to the inner and outer tanks of the electrophoresis apparatus. Note that the liquid level in the inner tank should be significantly higher than the liquid level in the outer tank .
3. Set the constant voltage to 120-200V and start electrophoresis .

Voltage vs. Time Table	
Voltage	Estimated time
1 20V	3 5min
1 60V	2 5min
1 80V	20min
2 00V	1 5min

Precautions

1. This product can be reused 2-3 times; further use is not recommended.
2. High voltage can generate a lot of heat, please select the appropriate voltage according to the ambient temperature ;
3. Electrophoresis time should be until the markers are completely separated or the bromophenol blue reaches the bottom of the gel. Excessive time may cause the bands to diffuse.
4. This product is for research use only.