

SDS-PAGE Electrophoresis Buffer with Tris-Gly (10X)

Cat. No: E-IR-R341**Size:** 100 mL/ 200 mL/ 500 mL

Cat	Products	100 mL	200 mL	500 mL	Storage
E-IR-R341	SDS-PAGE Electrophoresis Buffer with Tris-Gly (10X)	100 mL	200 mL	500 mL	2-8°C

Introduction

SDS-PAGE Electrophoresis Buffer with Tris-Gly (10×) is an improved rapid-run SDS-PAGE electrophoresis buffer based on the conventional Tris-Gly buffer system. It is applied to denaturing sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE) for protein analysis.

Compared with conventional SDS-PAGE running buffers, SDS-PAGE Electrophoresis Buffer with Tris-Gly (10×) delivers excellent separation performance, especially for low-molecular-weight proteins. This product also improves experimental efficiency by significantly shortening electrophoresis runtime. It generates less heat during electrophoresis, contributing to sharp and well-resolved protein bands.

Instructions

1. Preparation: This product is a 10× concentrated stock solution. Dilute to 1× working solution with deionized water before use. Take 100 mL of SDS-PAGE Electrophoresis Buffer with Tris-Gly (10×), add deionized water to bring the final volume to 1 L, and mix thoroughly. Unused running buffer may be stored at room temperature for 2-3 days; storage at 2-8 °C allows a shelf-life of 1-2 weeks.
2. Electrophoresis conditions: For standard-size SDS-PAGE gels, the recommended operating voltage ranges from 150 V to 200 V. Under constant-voltage 200 V conditions, electrophoresis is typically completed within 25-30 min for a 10% resolving gel. For flatter and sharper protein bands, adjust the voltage to 100-150 V with appropriately extended electrophoresis runtime.

Storage

Store at 2-8°C for 12 months.

Cautions

1. This product is a 10× concentrated stock solution. Crystals may precipitate at low temperatures. Stir at room temperature or incubate moderately at 37 °C until crystals are completely dissolved before dilution and use.
2. Store tightly sealed to avoid contamination.
3. For your safety and health, wear a lab coat and disposable gloves during handling.
4. For research use only.

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