

MOPS Running Buffer (20x)

Cat. No: E-IR-R339**Size:** 100 mL/ 200 mL/ 500 mL

Cat	Products	100 mL	200 mL	500 mL	Storage
E-IR-R339	MOPS Running Buffer (20x)	100 mL	200 mL	500 mL	2-8°C

Introduction

MOPS Running Buffer (20 ×) is an electrophoresis buffer designed for Bis-Tris precast gels. Its core components include MOPS, Tris and SDS, featuring a stable buffering system and uniform ionic strength. Compared with conventional Tris-Glycine buffer, this product delivers higher resolution, well-defined protein bands and consistent migration rate. It is widely used in protein SDS-PAGE electrophoresis and pre-electrophoresis for Western Blot.

This product is a denaturing electrophoresis buffer for Bis-Tris gels and is not compatible with polyacrylamide gels using Tris-Glycine, HEPES or other buffer systems. It enables efficient separation and detection of medium-to-high molecular weight proteins (14–200 kDa). For separation of low-to-medium molecular weight proteins, MES Running Buffer (20×) (E-IR-R340) is recommended.

Instructions

1. This product is a 20× concentrated stock solution. Dilute to 1× working solution with deionized water before use. Pipette 50 mL of MOPS Running Buffer (20×), add 950 mL of deionized water and mix well to prepare 1× electrophoresis running buffer.
2. Operating procedure: Fill the inner chamber of the electrophoresis tank completely with 1× running buffer. Add buffer to the outer chamber up to 1/3 of the liquid level in the inner chamber. Load samples and start electrophoresis. Terminate the run when the bromophenol-blue tracking dye migrates to 1 cm above the gel bottom or reaches the pre-determined experimental position.

Storage

Store at 2-8°C for 12 months.

Cautions

1. Store tightly sealed to avoid contamination.
2. For your safety and health, wear a lab coat and disposable gloves during handling.
3. For research use only.