

Instant MOPS Buffer

Catalog Number: EXBR033



info@exreprotein.com

For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

Product Description

Instant MOPS Buffer simplifies preparation of 3-(N-Morpholino) propanesulfonic acid (MOPS) buffer with easy to dissolve powder granules to prepare a 1 Liter, 1X working solution. It does not require additional calculations or pH adjustments to help reduce errors and maintain consistent buffer preparation.

The 1X solution is 50 mM Tris, 50 mM MOPS, 1 mM EDTA and 0.1% SDS (pH 7.0±0.2 at 25°C). MES is a commonly used running buffer for Sodium Dodecyl Sulphate-Polyacrylamide Gel Electrophoresis (SDS-PAGE), especially for the electrophoresis of medium to large molecular weight proteins with the Bis-Tris system.

Available sizes: 10 Pack or 50 Pack.

Limitations

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Precautions

- Always wear appropriate protective clothing and follow safe laboratory procedures.

Storage

Store unopened packs at 10-30°C for up to 36 months.

Preparation of Reagents

1. Transfer instant powder granules from 1 packet of Instant MOPS Buffer to a beaker.
2. Pre-dissolve the granules by slowly adding 500 mL distilled or deionized water to the beaker, allowing the 1-5 minutes for the granules to completely dissolve while gently stirring with a stirring rod or magnetic stir bar.
3. Transfer the dissolved solution to a volumetric flask and bring up the volume to 1000 mL by adding distilled or deionized water, which is a 1X working solution.