

# Tris-MOPS-SDS Powder (1 L of 1×)

## 1 Contents

Components	HY-K1019-10 pouches	HY-K1019-50 pouches
Tris-MOPS-SDS Powder (1 L of 1×)	10 pouches	5 × 10 pouches

## 2 Introduction

Tris-MOPS-SDS (MOPS) is widely used in biological experiments, especially in SDS-PAGE protein electrophoresis under Bis-Tris system. Medium- to large-sized proteins can be separated effectively in this buffer.

MCE Tris-MOPS-SDS Powder (1 L of 1×) consists of Tris, MOPS, EDTA and SDS. Each pouch can be diluted to 1 L 1× MOPS buffer, in which the concentration of Tris is 50 mM, the concentration of MOPS is 50 mM, the concentration of EDTA is 1 mM and the concentration of SDS is 0.1%. This product provides a convenient way to make MOPS buffer and eliminates the need to weigh and mix individual components.

## 3 General Protocol

1. Add 1 pouch of Tris-MOPS-SDS Powder into the cleaned beaker, dissolve with 600 mL distilled water under a magnetic stirrer.
2. Add distilled water to the solution in step 1 until the total volume is 1 L. The final solution is 1× MOPS buffer.

Note: The pH of the 1× MOPS buffer is  $7.7 \pm 0.2$  @ 25°C.

3. Store at room temperature for 1 week and 4°C for 1 month.

## 4 Storage

Store at room temperature for 3 years

## 5 Precautions

1. For better results, please change the buffer in time.
2. This product is for R&D use only, not for drug, household, or other uses.
3. For your safety and health, please wear a lab coat and disposable gloves to operate.