

# Tris-HEPES-SDS Powder (500 mL of 1×)

## 1 Contents

Components	HY-K1034-20 pouches	HY-K1034-100 pouches
Tris-HEPES-SDS Powder (500 mL of 1×)	20 pouches	5 × 20 pouches

## 2 Introduction

Tris-HEPES-SDS (HEPES) is widely used in protein electrophoresis, as well as in biochemical diagnostic kits, DNA/RNA extraction kits, PCR diagnostic kits, etc. HEPES is non-toxic to cells.

MCE Tris-HEPES-SDS Powder (500 mL of 1×) consists of Tris, HEPES, EDTA and SDS. Each pouch can be diluted to 500 mL 1× HEPES buffer, in which the concentration of Tris is 50 mM, the concentration of HEPES is 50 mM, the concentration of EDTA is 2 mM and the concentration of SDS is 0.1%. This product provides a convenient way to make HEPES buffer and eliminates the need to weigh and mix individual components.

## 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.

## 3 General Protocol

1. Add 1 pouch of Tris-HEPES-SDS Powder into the cleaned beaker, dissolve with 300 mL distilled water under a magnetic stirrer.
2. Add distilled water to the solution in step 1 until the total volume is 500 mL. The final solution is 1× HEPES buffer.

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

3. Store at 4°C for 1 month.

## 4 Storage

Store at room temperature for 3 years