

TAE Powder (1 L of 1×)

1 Contents

Components	HY-K1015-20 pouches	HY-K1015-100 pouches
TAE Powder (1 L of 1×)	20 pouches	5 × 20 pouches

2 Introduction

TAE (Tris-acetate-EDTA) buffer is widely used in biological experiments, especially in agarose gel electrophoresis of nucleic acid. Linear dsDNA migrates quickly in electrophoresis and DNA fragments (> 13 kb) can be separated effectively. TAE buffer is also suitable for DNA gel extraction. MCE TAE Powder (1 L of 1×) consists of Tris-acetate and EDTA-2Na. Each pouch can be diluted to 1 L of 1× TAE buffer, in which the concentration of Tris-acetate is 40 mM and the concentration of EDTA-2Na is 1 mM. This product provides a convenient way to make TAE solution and eliminates the need to weigh and mix individual components.

3 General Protocol

1. Add 1 pouch of TAE 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× TAE buffer.
Note: The pH of the 1× TAE buffer is 8.3 ± 0.1 @ 25°C.
3. Store at room temperature for 1 month. TAE solutions may precipitate at low temperatures. If precipitation is observed, place in a 37°C water bath until completely dissolved before use.

4 Storage

Store at room temperature for 3 years

5 Precautions

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

MedChemExpress USA

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: sales@MedChemExpress.com