ver. 1. 1

TBE

REF: CP17202M

Storage Condition

Store at room temperature for three years

Components

Component	CP17202M
TBE	50 Pouches

⚠ Note: pH is 8.35±0.15@25℃ when made to 1× solution.

Description

TBE appears as white instant granules. Each pouch makes 1 L of 1× TBE solution conveniently with a simple procedure. TBE is composed of Tris, boric acid and EDTA. The final concentration of the 1× solution is 89 mM Tris, 89 mM boric acid and 2 mM EDTA.

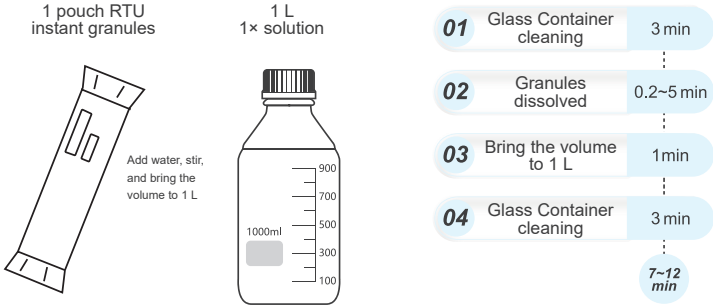
TBE buffer is a nucleic acid electrophoresis buffer commonly used in biology labs. It is mainly used in agarose gel electrophoresis of DNA. It has a good buffering capacity and shows good results when separating DNA fragments smaller than 1 kb. It is also suitable for long-time electrophoresis. TBE buffer has a high electroosmosis effect with agarose gel and forms tetrahydroxy borate complexes with the agarose through nonconvalent binding, which impairs the DNA recovery rate. Thus, TBE buffer is not recommended for recovering DNA from agarose gel after electrophoresis.

Method

1. Put magnetic stirring beads and ~600 ml distilled water into a beaker.
2. While stirring, slowly pour the whole contents from 1 pouch of TBE into the beaker; wait until everything is dissolved.
3. Add distilled water to bring the volume to 1 L and 1× solution is made.

⚠ Note: the concentration of TBE working solution is usually 0.5 ×. In this case, 1× working solution can be diluted before use.

Buffer making procedure using the RTU instant granules



BestEnzymes Biotech Co., Ltd.

Add: No.17 Huaguoshan Avenue,Lianyungang City, China
Tel: 0518-8558 6628 · E-mail:support@best-enzymes.com · www.best-enzymes.com