



TAE [1x powder sachet]

TAE appears as white instant granules. Each pouch makes 1L of 1x TAE solution conveniently with a simple procedure. The main components of TAE buffer are Tris-acetate and EDTA-2Na. The final concentration of the 1x solution is 40mM Tris-acetate and 1mM EDTA-2Na.

AE buffer is a nucleic acid electrophoresis buffer widely used in biology labs. It is mainly used in agarose gel electrophoresis of DNA. The migration of linear dsDNA is fast with TAE buffer. When separating DNA molecules bigger than 13kb, TAE buffer is usually recommended. TAE buffer is suitable for recovering DNA from the gel after electrophoresis. Because the buffering capacity is relatively small, long time electrophoresis (e.g. overnight) is not recommended.

Method:

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

Catalog No.	160003
Size	10 x 1L
Product Category	Stock Solution / Buffer
Storage/Stability	Ambient/2 year
Shipping	Ambient