

8025041/8025042

## Instant TAE Buffer

<b>Cat-No.</b>	8025041	8025042
<b>Size</b>	20 packs/box	100 packs/box

<b>Form</b>	Crystalline powder, white to off-white granules
<b>pH</b>	8.3±0.2 at 25°C
<b>Storage</b>	Store at RT, protect from direct light
<b>Shelf life</b>	Powder: at least 36 months when stored at RT

### Product Description

Each pack of Instant TAE Buffer produces 1 L of 1 × buffer (40 mM Tris-acetate, 1 mM EDTA). Instant TAE Buffer is used as a running buffer for nucleic acid agarose gel electrophoresis. Use TAE when separating DNA fragments larger than 10 kb. For longer run times, we recommend using TBE instead of TAE.

### Preparation Notes

1. Add the entire contents of one pouch of Instant TAE buffer into a glass beaker.
2. Add 500 ml of ultrapure water into the beaker and gently stir until completely dissolved.
3. Transfer the TAE buffer solution into a measuring cylinder and add ultrapure water to 1 L final volume, yielding 1 × TAE buffer, pH 8.3.
4. Transfer to a screw-cap glass bottle or similar container for storage. Store at RT.

