

## SuperDissol Instant TAE Buffer

Cat#: 8025041/8025042

### [Product Name]

SuperDissol Instant TAE Buffer

### [Model & Size]

Product Name	Cat No.	Size
SuperDissol Instant TAE Buffer	8025041	20 packs/box
	8025042	100 packs/box

Note: The pH value of 1× solution is 7.0±0.2@25°C.

### [Product Description]

Instant TAE Buffer is white to off-white instant granules, and each pack of this product can produce 1 L of 1 ×TAE Buffer, which is easy to operate and use. The main components of TAE Buffer are Tris-acetate and EDTA-2Na. The concentration of Tris-acetate and EDTA-2Na in 1 ×TAE Buffer is 40 mM and 1 mM.

Instant TAE Buffer is a nucleic acid electrophoresis buffer widely used in biological research, which is mainly used for agarose gel electrophoresis of DNA. Using TAE as electrophoresis buffer, the mobility of double-stranded linear DNA is faster. When the fragment is larger than 13 kb, TAE is generally recommended for electrophoretic separation, and it is suitable for DNA fragment recovery, but the buffer capacity of TAE is small and is not recommended for long-term electrophoresis (e.g., overnight).

### [Storage And Transportation]

Store at room temperature of 10°C~30°C, protected from light, with a shelf life of 36 months.

### [Operating Instruction]

1. Place a clean beaker, and add the entire contents of a newly opened pack of Instant TAE Buffer.
2. Measure about 500 mL of pure water, slowly add it into the beaker, and gently stir with a stir bar until it is completely dissolved. (This step can also be performed with a magnetic stirrer)
3. Transfer the TAE solution in Step 2 into a constant volume container, and add water to dilute to 1 L, which is 1 × working solution.

### [Schematic Diagram of Instant Buffer Preparation]

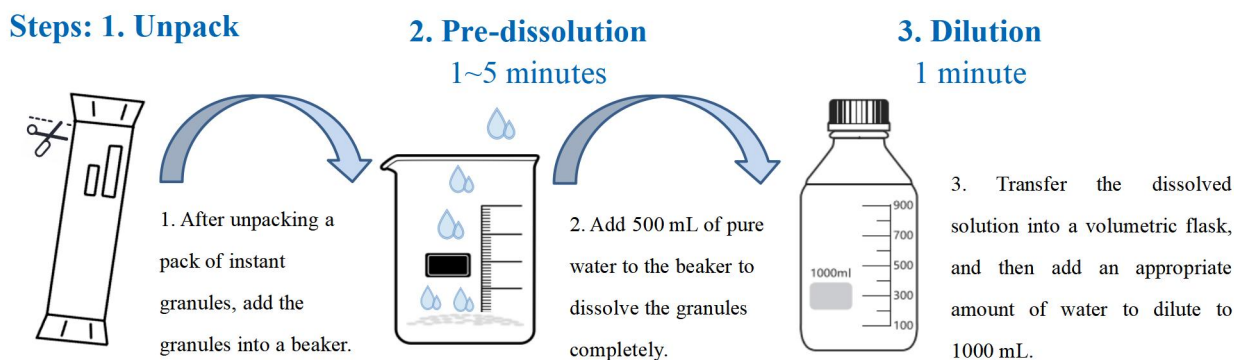










Figure 1. Schematic Diagram of Instant Buffer Preparation

Note: Wash the container sufficiently with pure water before preparation, and clean it in time after preparation.

**[Description Of Product Symbol]**

Product Symbol	Description	Product Symbol	Description
	Catalog Number		Batch Code
	Date of Manufacture		Manufacturer
	Keep away from light		Temperature limit
	Consult instructions for use		Use-by date

**[Company Information]**

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