

1 × TAE Instant Granules

G102

Version 24.1



Product Description

1 × TAE Instant Granules are premixed instant granules. The 1 L of TAE solution contains 40 mM Tris-Acetate, 1 mM EDTA and pH 8.3 ± 0.1 (25°C). The features of this product are rapid dissolution; no need to weigh and adjust pH; efficient and time-saving.

This product is one of the most commonly used buffers in biology. It is widely used for electrophoresis of nucleic acids in agarose and polyacrylamide gels, as both a running and a gel preparation buffer. TAE buffer is commonly utilized in biochemistry, molecular biology, cell biology, experimental zoology and other research fields.

Components

| Components | G102 |
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| 1 × Tris-Acetate-EDTA Running Buffer (TAE) | 10 × 1 L |

▲ Each bag of TAE instant granules can be prepared into 1 L of TAE solution. A total of 10 L of 1 × TAE solution can be prepared.

Storage

Store at 15 ~ 25°C and transport at room temperature.

Applications

It is applicable for electrophoresis of nucleic acids in agarose and polyacrylamide gels, as both a running and a gel preparation buffer.

Notes

For research use only. Not for use in diagnostic procedures.

1. For your safety and health, please wear a lab coat and disposable gloves.
2. TAE solution may produce precipitation at low temperature. If precipitation occurs, please place it in a 37°C water bath until it is completely dissolved before use.
3. Make sure the equipment used is clean before preparing solutions.
4. When opening the package, avoid spilling the powder in the bag. A small amount of agglomerated dry powder remained in the bag, which does not affect the experimental results.

Experiment Process

Take out one bag of 1 × TAE Instant Granules, then dissolve all the granules in 800 ml of ddH₂O. Finally, add ddH₂O to bring the total volume up to 1 L and fully dissolve before use.