PRODUCT SPECIFICATION SHEET

5X TBE DNA Sequencing Grade

Catalog Number: T007-0500 **Size:** 500 mL **Form:** Liquid, ready-to-use concentrate

1. Product Description

CELLPICK 5X TBE (Tris-borate-EDTA) DNA Sequencing Grade Solution is an ultra-pure electrophoresis buffer formulated specifically for high-resolution polyacrylamide and agarose gel electrophoresis of DNA and RNA fragments.

TBE buffer has a higher buffering capacity and provides sharper resolution for smaller DNA fragments (<2 kb) compared to TAE buffer. Manufactured under stringent quality control standards to ensure optimal performance in DNA sequencing and sensitive analytical workflows. Supplied in a 500 mL packaging format.

2. Specifications

Concentration	5X Concentrate (DNA Sequencing Grade)
Composition	445 mM Tris, 445 mM Boric Acid, 10 mM EDTA, DNA sequencing grade
pH	8.0 ± 0.1 at 25°C (1X working solution)
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated)

3. Recommended Applications & Usage

Ideal for DNA sequencing gels, high-resolution analytical agarose and polyacrylamide gel electrophoresis, and small nucleic acid fragment separation.

Usage: Dilute 100 mL of 5X TBE stock with 400 mL of deionized water to prepare a 1X working solution (or scale accordingly).

4. Ordering Information

Catalog Number	Product Name	Packaging Unit
T007-0500	5X TBE DNA Sequencing Grade	500 mL