

5x TBE Buffer Instructions

Cat:T1050

Size: 500mL

Storage: Store at room temperature for at least 12 months.

Production:

TBE buffer is a nucleic acid electrophoresis buffer salt solution commonly used in biology, mainly used for DNA agarose gel electrophoresis. The main components of TBE are TRIS-Borate and EDTA, which have strong buffer capacity, suitable for longer electrophoresis time, high resolution, and good separation effect when electrophoresis fragments less than 1kb. The boric acid component in TBE buffer will affect the efficiency of DNA recovery and the subsequent enzyme reaction, so it is recommended to use TAE buffer for DNA fragment recovery experiment by agar-gel electrophoresis.

This product is a 5× concentrate solution with a working concentration of 0.5× and can be directly diluted with distilled water 10 times before use. If the product precipitates out, please put it in 37°C water bath to dissolve, do not affect the use.

Working concentration of components

Tris- Borate	45 mM
EDTA	1mM

Related products:

T1060 50 x TAE buffer

D1010 6×DNA Lodding Buffer

G8142 GoldView Ⅱ type nucleic acid stain (5000×)

Related literature:

- [1] Yuzhe Sun, Jiafeng Li, Zhendong Wei, et al. Proteomic and bioinformatic analysis of condyloma acuminata: mild hyperthermia treatment reveals compromised HPV infectivity of keratinocytes via regulation of metabolism, differentiation and anti-viral responses. International Journal of Hyperthermia. March 2019. (IF 3.589)

Note: Please refer to the official website of Solarbio for more literature on the use of this product.