

PRODUCT INFORMATION

Product Type: BOTTLED PRODUCTS

Cat No. BP423 - TBE X 5, 500ML

Intended Use:

TBE Buffer (5X): 5× Tris-Borate-EDTA buffer is a solution used in Agarose Gel Electrophoresis (AGE) typically for the separation of nucleic acids (i.e. DNA and RNA) by electrophoresis in molecular biology, and in agarose and polyacrylamide gel preparation.

Principles and uses

TBE buffer is widely used for running agarose and polyacrylamide gels due to its high buffering capacity and ability to maintain nucleic acid integrity during separation.

The 5× stock is typically diluted to 1× (one part 5× stock with four parts water) for use in gels and running buffer.

Composition:

Tris base (0.45 mol/L) - 54 g/L

Boric acid: (0.45 mol/L) - 27.5 g/L

EDTA (disodium salt - 0.01mol/L) - 2.0 g/L

Storage: 15-25° C

Appearance: Clear, colorless

pH Range: 8.2 - 8.5

Exp. Date: Printed on label and on the item.

Required materials not supplied: Laboratory equipment as required.
