Canvax Reagents, S.L.U.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
info@canvaxbiotech.com

www.canvaxbiotech.com

DATA SHEET

Version: 2
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1. Identification

Product name **0.5M EDTA Buffer, pH 8.0**
100mL

Cat. No **BR0061**

2. Description

The EDTA or ethylene-diamine-tetraacetic acid, acts like chelating agent that sequesters a variety of polyvalent cations such as Ca2+ and Mg 2+. EDTA is usually used like inactivator of metal-dependent enzymes, preventing damage to DNA and RNA. In cell cultures is used to avoid clumping of cells in liquid suspensions, as EDTA binds to calcium and prevents joining of cadherins between cells.

3. Specifications

Chemicals: Analytical grade.
Format: Liquid.
Concentration: 0.5 M EDTA
pH: 8 ± 0.2 at 25˚C

4. Shipping and Storage specifications

EDTA buffer is shipped at room temperature. Store the product in a dry place at room temperature.

5. Applications

- Anticoagulant for blood samples and its storage.
- Abduct the metal required to metal-dependent enzyme, inactivating the reactions.
- Avoid junctions between cells by cadherins, usually used to cell culture procedures.
- Used in TAE and TBE buffers because it inhibits metal-dependent nucleases by chelating the divalent cations (Ca2+ Mg2+), protecting the DNA from nucleases during the run.
- Added to TE buffer, used to solubilize DNA and RNA, inactivating nucleases by binding to metals cations required by these enzymes.

6. Directions for use

Ready to use solution.

7. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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