Trypsin 0.05% – EDTA 0.53 mM (1X)

Catalog Number:
B81110

PRODUCT DESCRIPTION

Trypsin solutions are enzyme preparations derived from porcine pancreas, generally used for the isolation and dissociation of anchorage-dependent mammalian cells and tissues. Ethylenediaminetetraacetic acid (EDTA), a chelating agent that neutralizes calcium and magnesium ions, is often added to trypsin solutions to increase the enzymatic activity on the cells and to facilitate release of individual cells from the culture vessel. The concentration of trypsin and EDTA necessary for the successful isolation of cells depends primarily on the cell type and the age of the culture. Solutions containing 0.05% trypsin are recommended for dissociation of sensitive cell lines.

Trypsin 0.05% – EDTA 0.53 mM (1X) is provided as a ready-to-use dissociation solution, containing 0.5 g/L of trypsin (1:250) and 0.2 g/L EDTA•4Na in Hanks' Balanced Salt Solution without calcium and magnesium salts. Each lot of Trypsin 0.05% - EDTA 0.53 mM (1X) is carefully manufactured to minimize loss of enzyme activity from denaturation and degradation, and quality controlled to ensure consistency and reliability.

STORAGE AND HANDLING

We recommend that Trypsin 0.05% – EDTA 0.53 mM (1X) be stored at a temperature of -5 °C to -20 °C and protected from light. Always use aseptic techniques when handling antibiotic solutions.

PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.

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