

Product Name

Name: Recombinant Trypsin-EDTA Solution

Cat. No.: C3536-0100, C3536-0500

Size: 100 mL, 500 mL

Product Introduction

Recombinant Trypsin-EDTA Solution is chemically defined and animal component-free. EDTA accelerates the dissociation of trypsin. Recombinant Trypsin-EDTA solution is a pure enzyme solution that can maximize the acquisition of functionally active cells from culture containers while preventing toxicity induced by other contaminating proteases.

This product does not contain carboxypeptidase A and chymotrypsin, which are typically present in trypsin solutions derived from pigs or cows. In addition, Recombinant Trypsin-EDTA Solution eliminates the risk of other potential exogenous factors such as viruses and mycoplasma that may be carried by animal derived components.

Note

1. For external use only.
2. Do not use if the reagent packaging is damaged or leaking.
3. Avoid contamination during the operation.
4. In case the solution comes into contact with the operator's skin and mucous membranes, please immediately rinse with tap water.
5. Do not use the solution if there is any visible sediment in the solution.
6. Please use the product within the validity period.

Storage and Stability

The product should be kept at **2 - 8°C**.

The product is **light-sensitive** and therefore should not be left in the light.

Shelf life: 12 months from date of manufacture

Procedure

The following instructions apply to most cells to be treated, and the actual operating procedure and concentration are determined by specific cell lines.

1. Passage the cells when the confluence reaches about 80% (the cells should not be too dense, otherwise they may easily differentiate and hard to be dissociated by trypsin). Discard the culture medium, and gently rinse each well with an appropriate amount of DPBS.
2. Add an appropriate amount of recombinant trypsin-EDTA (1 ml is recommended for T25) to the culture flask, and incubate at 37°C in a 5% CO₂ incubator for 3 - 5 minutes (gently tapping the culture flask can help the cells detach, and the digestion time may depend on the cell type).
3. To end the reaction when most of the cells are observed to detach from the bottom of the flask or

appear round:

4. Dilute with 5 - 10 ml soybean trypsin inhibitor and centrifuge at 200 – 250 x g for 3 - 5 minutes. Remove the supernatant.
5. Or add PBS/DPBS to the reaction (twice the volume of recombinant trypsin-EDTA solution) and centrifuge to remove the supernatant;
6. Or add equal volume of the medium to the reaction and centrifuge to remove the supernatant.

Quality control

Recombinant Trypsin-EDTA Solution is tested for sterility, pH, osmolality. In addition, each batch is tested for cell growth performance.

Precaution and Disclaimer

For research use only, not for clinical diagnosis, and treatment.