Product Information

Trypsin-EDTA (0.05%) inDPBS(1x)

Catalogue Number: GBTE01/01F

General Information

Trypsin-EDTA solutions are designed to efficiently detach adherent cells from culture surfaces. Made from natural porcine pancreas-derived trypsin, our products provide reliable performance for a variety of applications. The concentration of trypsin required to effectively dislodge cells varies based on cell type and culture age. We recommend testing different formulations to identify the optimal solution for your specific needs.

Product Specification

Appearance	:	Clear frozen liquid
Storage & Shelf Life	:	Store at ≤-15°C. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at 4°C and use within 2-4 weeks
Shipping Conditions	:	Frozen (Dry ice)
Thawing	:	+37°C water bath or overnight at +2°C to +8°C. Swirl gently to homogenize

Formulation

Components	Concentration mg/L
EDTA 2Na	220.00
KCl	200.00
KH2PO4	200.00
NaCl	8000.00
Na2HPO4	1150.00
Trypsin	500.00

Instructions for Use

Detachment of adherent cells using Trypsin-EDTA:

Trypsin-EDTA (0.05 %) in DPBS (1x) solution is supplied as a sterile, ready-to-use, frozen liquid. This entire procedure should be done in a laminar flow hood using proper aseptic technique.

1. Carefully aspirate all of the media from the cell culture flask.
2. Rinse cells with Ca2+ and Mg2+-free salt solution (see related products), aspirate, and discard.
3. Prewarm the trypsin solution in a +37°C water bath. Add enough trypsin solution to completely cover the cells.
4. Incubate the flask at +37°C, or for more sensitive cultures, at room temperature or +2°C to +8°C.
5. When the trypsinization process is complete, cells will appear rounded upon microscopic examination and the solution in the flask will appear cloudy. Check the flask often to avoid overexposure. Trypsin can cause cellular damage and time of exposure should be kept to a minimum.
6. The time required to detach cells from the culture surface is dependent on the cell type, the age of the culture, population density, serum concentration in the growth medium and time since last subculture.
7. Neutralize trypsin either with serum containing medium or trypsin inhibitor. Gently centrifuge the cell suspension and discard the trypsin-containing supernatant.
8. Resuspend the cell pellet with fresh medium and count or culture as desired.

This product is for research use only.

Need help?

If you have any further queries, please feel free to email our cell culture specialists at info@genexisbiotech.com