BioArtha Labs PVT LTD
Unit 2, Plot #R-11, 1st Cross,
KSSIDC Industrial Estate
Bommasandra 2nd Stage,
Yarandahalli Jigani Rd Bangalore,
Karnataka -560099 (India)
info@bioarthalabs.com

DATA SHEET

Rev.ver: 01

1. Identification

Product Name: **Trypsin 0.25% Solution 1x 0.25% Trypsin in Dulbecco's Phosphate Buffered Saline w/o Phenol red, Sterile filtered**

Catalog.no: **CCDR003**

2. Description

Trypsin Solution 1x is a sterile, ready-to-use reagent designed for the dissociation of adherent mammalian cells. It contains 0.25% trypsin, a proteolytic enzyme that cleaves peptide bonds in proteins responsible for cell adhesion. This higher concentration formulation provides a more rapid and efficient cell detachment, making it suitable for use with more firmly adherent cell lines or tissues requiring stronger enzymatic activity.

This formulation is prepared in Dulbecco's Phosphate Buffered Saline (DPBS) without calcium, magnesium, or phenol red, ensuring optimal enzyme activity and reduced interference during cell detachment.
Trypsin Solution 1x is commonly used in sub-culturing, harvesting, and disaggregation of adherent cell cultures in research and biotechnology applications.

3. Storage/Stability

Store the product at -20°C. This has an expiration period of 1 year. Reagent label bears expiration date.

4. Procedure

Directions for Use: Cell Dissociation

1. Remove the used medium from the culture vessel.
2. Wash the cell layer once with salt solution (without calcium and magnesium) and discard.
3. Add enough Trypsin solution 1x to cover the cells.
4. Gently rock the vessel so the solution spreads evenly.
5. Incubate at 37 °C for 2–3 minutes and watch under a microscope until cells round up and detach. If needed, tap the vessel gently to help release cells.
6. Add growth medium with serum to stop trypsin activity.
7. Pipette gently to make a single-cell suspension.
8. Count and transfer cells for subculture

5. Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.