Product Specification

Product Name:	Trypsin-EDTA Solution, With Phenol Red
Product Code:	UCC8105

Product Description:
Trypsin is a single chain polypeptide of 223 amino acid residues which have a specificity based on positively charged Lysine and Arginine side chains. Trypsin is a member of the serine protease family. EDTA is a chelating agent that binds to metal ions such as calcium and magnesium. In the context of a Trypsin-EDTA solution, EDTA helps to prevent inactivation of Trypsin. Phenol Red is a pH indicator which helps in monitoring the pH change in the cell culture The Trypsin-EDTA Solution contains 0.25% Trypsin, 0.02% EDTA and 0.02% Phenol Red in 0.01M Phosphate buffer saline. This solution is sterile-filtered and can be directly used for cell culture. It does contain Phenol Red.

Product Content(s)

Trypsin-EDTA Solution, With Phenol Red	100ml

Storage: Store solution at -20°C for 12 months

Features:

a. The volume should be sufficient enough to completely cover the monolayer of cells
b. The time required for cell dissociation will vary according to cell line

Procedures:

a. Remove the medium from cell culture vessel
b. Wash the cell monolayer using Phosphate buffer saline
c. Add Trypsin-EDTA Solution to the cell culture vessel
d. Swirl the culture vessel around to ensure Trypsin-EDTA Solution covers the cells
e. Incubate culture vessel at 37°C for 1-5 minutes. Monitor the cell dissociation process using an inverted microscope, to minimize cell damage. Once the dissociation process is completed, the cells in suspension will appear rounded
f. Once cell dissociation process is completed, add the complete media (media with serum) to inhibit the tryptic activity
g. Using gentle pipetting motion, disperse the cells into single cell suspension, before proceeding to cell subculture.

Disclaimer

a. Before use, please use gloves, googles or other protective measures for your own safety. This reagent kit is intended solely for in vitro experiments and is not suitable for clinical, therapeutic, or in vivo experiments involving animals. Any consequences arising from such misuse will not be the responsibility of the provider.

2 International Business Park Road Strategy #01-04, Singapore(609930)
Tel: (+65) 6954 2519, (+65) 6491 5938
Email: sg@biobasic-asia.com Web: www.biobasic-asia.com