

# Material Safety Data Sheet

OSHA "Hazard Communication" (29 CFR 1910.1200)

## Trypsin-EDTA Solution 1X

0.05% trypsin, 0.02% EDTA, trypsin gamma irradiated by SER-TAIN™ Process,  
in Hanks' Balanced Salt Solution

CATALOG NO. 59417

### Section I – Product Identification

**Product Name:**

Trypsin-EDTA Solution 1X , 0.05% trypsin, 0.02% EDTA, trypsin gamma irradiated by SER-TAIN™ Process,  
in Hanks' Balanced Salt Solution

**Product Number:**

59417

**Product Classification:**

Liquid Media

This subject formulation is 0.05% Trypsin Enzyme, 0.02% EDTA-4Na in HBSS with phenol red (as a pH indicator). With the exception of purified water, all ingredients are in concentrations of less than 1%.

**Synonyms:**

Parenzyme, Tryptar

### Section II – Physical Data

**Appearance:**

Clear red solution

**pH:**

7.2 - 8.0

### Section III – Hazardous Ingredients

Porcine Trypsin Enzyme (0.05%) CAS Number: 9002-07-7. Ethylenediaminetetraacetic Acid, Tetrasodium (0.02%) CAS Number: 10378-23-1.

### Section IV – First Aid

In case of contact with eyes, flush thoroughly with water and contact a physician. In case of accidental swallowing, rinse the mouth with fresh water, provided the person is conscious. Contact a physician. If inhaled remove to fresh air. Give oxygen if breathing becomes difficult. If not breathing, give artificial respiration. Contact a physician. In case of contact with skin, wash the affected area with copious quantities of soap and water. Should irritation occur, contact a physician. Remove contaminated clothing and footwear.

### Section V – Fire and Explosion Hazard Data

**Extinguishing Media:**

Water spray, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing. Avoid contact with skin or eyes.

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## Section VI – Health (Toxicological) Hazard Data

This product is a potential irritant to eyes, respiratory system and skin. This product may also be harmful if ingested. Prolonged or repeated exposure may result in allergic reactions in sensitive individuals. Complete toxicological properties have yet to be determined.

## Section VII – Stability and Reactivity

Stable. Hazardous Polymerization will not occur.

## Section VIII – Special Protection Information

### Eye Protection:

Safety glasses or goggles required.

### Protective Clothing:

Lab coat or coverall required.

### Protective Gloves:

Chemical-resistant gloves required.

### Respiratory Protection:

Respirator or protective mask required.

### Ventilation:

Mechanical (general) or local exhaust.

### Other Protection Equipment:

Safety shower and eye bath. Wear protective clothing.

## Section IX – Handling and Storage Precautions/Comments

### Store at:

-10 to -40 C.

### Intended Use:

For further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

## Section X – Spill or Leak Procedures

### Spill:

Wear respirator, safety glasses or goggles, protective clothing and chemical-resistant gloves. Absorb liquid on sand, vermiculite or other absorbent material. Place in a closed container and hold for waste disposal. Ventilate area. Wash area thoroughly after clean-up is complete.

### Waste Disposal:

Follow all Federal, state and local regulations for chemical waste disposal.

## Section XI – Disclaimer

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