

# Material Safety Data Sheet

according to ISO 11014-1 — 93/112/EC.

## Trypsin-EDTA Solution 1X

0.25% trypsin, 0.02% EDTA, trypsin gamma irradiated by SER-TAIN™ Process,  
in Hanks' Balanced Salt Solution

CATALOG NO. 59428

Observe all Import Permit requirements and normal safety regulations.

### Section I – Identification of Substance

**Product Name:**

Trypsin-EDTA Solution 1X, 0.25% trypsin, 0.02% EDTA, trypsin gamma irradiated by SER-TAIN™ Process,  
in Hanks' Balanced Salt Solution

**Product Number:**

59428

### Section II – Composition/Data on Components

**Product Classification:**

Liquid Media

**Synonyms:**

Parenzyme, Tryptar

The subject formulation is 0.25% trypsin enzyme, 0.02% EDTA-2Na in saline. With the exception of purified water, all ingredients are in concentrations of less than 1%.

### Section III – Hazards Identification

Porcine Trypsin Enzyme CAS Number: 9002-07-7

### Section IV – First Aid Measures

**Eye Contact:**

In case of contact with eyes, flush thoroughly with water and contact a physician.

**Ingestion:**

In case of accidental swallowing, rinse the mouth with fresh water provided the person is conscious. Contact a physician.

**Inhalation:**

If inhaled, remove to fresh air. Give oxygen if breathing becomes difficult. If not breathing, give artificial respiration.  
Contact a physician.

**Skin Contact:**

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.

### Section V – Fire Fighting Measures

**Extinguishing Media:**

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

### Section VI – Accidental Release Measure

Place in a closed container and hold for waste disposal. Wash area thoroughly after clean-up is complete.

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## Section VII – Handling and Storage

### Handling:

Wear respirator, safety glasses or goggles, protective clothing and chemical-resistant gloves.

### Store at:

-10 to -40 C.

## Section VIII – Exposure Controls and Personal Protection

### Eye Protection:

Safety glasses or goggles required.

### Protective Gloves:

Chemical-resistant gloves required.

### Respiratory Protection:

Respirator or protective mask required.

### Ventilation:

Mechanical (general) or local exhaust required.

### Other Protection Equipment:

Safety shower and eye bath. Wear protective clothing.

## Section IX – Physical and Chemical Properties

### Appearance:

Clear red solution

### pH:

7.2 - 8.0

## Section X – Stability and Reactivity

Stable. Hazardous Polymerization will not occur.

## Section XI – Toxicological Information

### Primary Irritant Effect:

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.

### Intended Use:

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

## Section XII – Ecological Information

Not Available.

## Section XIII – Disposal Considerations

### Waste Disposal:

Follow all official regulations for chemical waste disposal.

## Section XIV – Transport Information

Not Applicable.

## Section XV – Regulatory Information

Observe the normal safety regulations when handling this material.

## Section XVI – Other Information

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Issued April 2006 MEU59428 1005 1105

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