

## Trypsin/EDTA Solution

Cat. No.	Pack Size
<b>MTE0358</b>	100 ml

For *in vitro* use only

### Reagent Composition:

- 0.025 % Trypsin (Porcine pancreas)
- 0.01 % EDTA\*4Na
- Phosphate Buffered Saline (PBS), without Ca<sup>2+</sup> and Mg<sup>2+</sup>.

### Application:

**Trypsin/EDTA** solution is used to detach attachment-dependent cells from a cell culture surface.

### Description:

Trypsin is a porcine pancreas-derived enzyme for cell dissociation and for hydrolytic degradation of proteins and peptides.

EDTA is chelating agent with gentle dissociation properties that acts to increase enzymatic efficiency by neutralizing calcium and magnesium ions. These ions enhance cell-cell adhesion and obscure the peptide bonds on which trypsin acts.

### Recommended Concentration:

The concentration of trypsin necessary to archive this can vary and is dependent on variety of factors. Trypsin can cause cellular damage; therefore, exposure to cells should be kept to a minimum duration.

### Formulation

Formulation	grams / litre
Trypsin	0.25
EDTA	0.10

**pH:** 7.0 – 7.6

**Storage:** -20°C.

**Thawing:** The solution can be thawed in a 37°C water bath or in refrigerator overnight at +2 to +8°C.

**Cell culture:** Tested

**Sterility:** Tested

### Safety warnings and precautions:

Only persons trained in laboratory techniques should handle this product and its components. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.*

### Related products:

Cat. No.	Product	Pack Size
<b>MTE0347</b>	<b>IMDM</b> , (wo L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0348</b>	<b>DMEM</b> , (w 4,5g/L Glucose, wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0349</b>	<b>Ham's F12</b> , (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0350</b>	<b>Glasgow-MEM</b> , (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
<b>MTE0352</b>	<b>Penicillin/Streptomycin</b> (10000IU/10000 ug/ml,100x)	100 ml
<b>MTE0353</b>	<b>L-Glutamine</b> 200mM	100 ml
<b>MTE0354</b>	<b>Cell freezing mix</b> (FCS/DMSO)	50 ml
<b>MTE0355</b>	<b>NEA</b> (Non-essential amino acids)	100 ml
<b>MTE0356</b>	<b>Sodium Pyruvate</b> 100mM	100 ml
<b>MTE0357</b>	<b>1X PBS</b> (without Ca <sup>+2</sup> , Mg <sup>+2</sup> )	500 ml