



Technical data sheet

TRYPsin-EDTA 0.25%

W/O Calcium, W/O Magnesium, W/Phenol red

Cat. No.: TE-480

Theoretical pH: 7.3 ± 0.3

Osmolality: 300 mOsm/kg ± 10 %

Color: Red, clear solution

Storage conditions: -20 °C.

Shelf life: 24 months

Sterility: Sterile filtered

Endotoxin: Not applicable

Composition: Available on request.

Recommended use:

- Respect storage conditions of the product.
- Do not use the product after its expiry date.
- Do not use the product packaging appears damaged or if the seal is broken.
- Store product in an area protected from light.
- Manipulate the product in aseptic conditions (e.g.: under laminar air flow).
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g.: gloves, mask, hygiene cap, overall, ... etc.).
- The product is intended to be used in vitro, in laboratory only.
- Do not use it in therapy, human or veterinary applications.

Application:

- Trypsin is a porcine pancreas-derived enzyme that is commonly used for the dissociation and disaggregation of anchorage-dependent mammalian cells and tissues.
- The concentration of trypsin necessary to dislodge non sensitive cells from their substrate, is 0.25%.
- EDTA, a chelating agent, enhance the enzymatic activity by removing calcium and magnesium ions.
- These ions obscure the peptide bonds on which trypsin acts as well as enhancing cell to cell adhesion.

Indications of deterioration:

- Medium should be clear and free of particulate and flocculent material.
- Do not use if medium is cloudy or contains precipitate.
- Other evidence of deterioration may include color change or degradation of physical or performance characteristics.
