

Datasheet

(10x) Trypsin hum.rec./EDTA

Trypsin Solution for animal-free Cell Culture

Product	Description	Catalogue-No.	Size
(10x) Trypsin rec. hum./EDTA 0.2 % in PBS, w/o: Ca and Mg	Human recombinant enzyme solution for cell detachment	P10-041020	20 ml
		P10-041100	100 ml
		P10-041500	500 ml

Product description

Trypsin hum. rec. is an enzyme that is used for the dissociation of anchorage dependent mammalian cells and tissues. It is expressed in *Pichia pastoris* using an artificially synthesised gene construct.

The concentration of Trypsin necessary to dislodge cells from their substrate is dependent on the cell type and the age of the culture.

Ethylenediaminetetraacetic acid (EDTA), a chelating agent, is added to Trypsin solutions to enhance enzymatic activity by neutralizing calcium and magnesium ions that enhance cell-to-cell adhesion and obscure the peptide bonds on which trypsin acts.

Storage conditions

Storage: - 20 °C in the dark

Stability: see Certificate of Analysis

Filling: 20 ml, 100 ml, 500 ml, other sizes on request

Composition

Human recombinant Trypsin expressed in *Pichia pastoris* and EDTA in DPBS w/o: Ca²⁺, Mg²⁺

Suitability

Enzymatic solution for the dissociation and disaggregation of anchorage dependent mammalian cells and tissues. Trypsin solutions can range from 0.025% to 0.5% for different reasons.

- Differences in Trypsin activity or potency
- Different incubation times and temperature
- Different cell lines

Especially suited for applications where animal-free products are crucial, like stem cell research and regenerative medicine.

Please Note

Cell exposure to Trypsin solution should be as brief as possible. Overexposure to Trypsin can damage cells. Cell cultures under serum-free conditions in general detach more readily and are more sensitive to Trypsin. Failure to neutralize Trypsin may result in a loss of the culture.

Technical Support

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.