

Datasheet**Trypsin 0.05 % / EDTA 0.02 % in DPBS,
w/o: Ca and Mg, GMP grade****Cell Culture Reagent**

Product	Description	Art. No.	Size
Trypsin-EDTA	Trypsin 0.05 % / EDTA 0.02 % in DPBS, w/o: Ca and Mg, GMP grade	CT-023100	100 ml

Article description

Trypsin is a porcine pancreas-derived enzyme that is commonly used for the dissociation of anchorage dependent mammalian cells and tissues. 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 ± 5°C

Stability: 2 years from date of production

Size: 100 ml, other sizes on request

Composition

Trypsin 1:250 from porcine pancreas (and EDTA) in DPBS. Detailed composition is available on request.

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

Instructions for Use

1. Frozen trypsin can be thawed either in a 37 °C water bath or overnight at 2 to 8 °C
2. Aspirate and discard the spent medium from the culture vessel.
3. Rinse the monolayer with Ca and Mg free salt solution (DPBS or HBSS).
4. Remove salt solution
5. Add enough trypsin solution, prewarmed in a 37 °C water bath, to completely cover the cell monolayer.
6. Incubate the flask at 37 °C, or for more sensitive cultures at room temperature or at 2 to 8 °C.
7. When the trypsination process is complete, cells will appear round upon microscopic examination and the solution in the flask will appear cloudy. Check the flask often to avoid overexposure which can damage the cells.
8. The trypsin should be neutralized either with serum-containing medium or trypsin inhibitor.
9. Gently centrifuge the cell suspension and discard the trypsin-containing supernatant.
10. Resuspend the cell pellet with fresh medium and count or culture as desired.

Performance Testing

Trypsin / EDTA is tested for pH, osmolality and sterility. A Certificate of Analysis is available upon request.

Technical support

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