

# Trypsin-EDTA (0.05%)

Enzymatic cell dissociation reagent

Catalog # 07910                      500 mL



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## Product Description

Trypsin-EDTA (0.05%) can be used to achieve a single-cell suspension of human embryonic stem (ES) cells or human induced pluripotent stem (iPS) cells for flow cytometry or cloning assays. This is a gentler version than the standard concentration (Trypsin-EDTA [0.25%]; Catalog #07901), and has applications in many other cell culture systems in addition to human ES and iPS cells.

## Properties

- Storage:** Store at -20°C.
- Shelf Life:** Stable until expiry date (EXP) on label.
- Contains:**
- 0.5 g/L Porcine trypsin
  - Hanks' Balanced Salt Solution (without Ca<sup>++</sup> and Mg<sup>++</sup>)
  - 0.2 g/L EDTA•4Na

## Handling / Directions For Use

Thaw Trypsin-EDTA (0.05%) at 2 - 8°C. Mix well. If not used immediately, aliquot and store at -20°C. Once aliquots are thawed, do not re-freeze.

### CELL DISSOCIATION PROTOCOL

1. Remove medium from culture vessel and wash cell monolayer with HBSS, Modified (Without Ca<sup>++</sup> and Mg<sup>++</sup>; Catalog #37250). Remove HBSS.
2. Add Trypsin-EDTA (0.05%) to completely cover the cell monolayer and incubate at 37°C for 2 minutes.
3. Remove Trypsin-EDTA (0.05%) and incubate at 37°C until cells detach.
4. Add serum or serum-containing medium to the cell suspension as soon as possible to stop the enzymatic activity.
5. Resuspend cells by gently pipetting up and down to break up clumps.

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