

TrypLE™ Select CTS™

Description

TrypLE[™], an animal origin-free alternative to porcine trypsin, is a recombinant enzyme derived from microbial fermentation. TrypLE[™] is used for the dissociation of attachment-dependent cell lines from plasticware. TrypLE[™] has demonstrated ability to dissociate cells cultured both in serum-free and serum-supplemented systems. The Gibco $CTS^{™}$ product line enables you to reduce your burden in qualifying reagents during your transition from research applications to clinical applications

Product	Catalog No.	Amount	Storage	Shelf Life*
TrypLE [™] Select CTS [™] (1X), no phenol red	A12859-01	100 mL	15°C to 30°C; Protect from light	24 months

^{*} Shelf Life duration is determined from Date of Manufacture.

Product Use

For Research Use or For Use in Manufacturing Cell-Gene- or Tissue-based Products. CAUTION: Not for direct administration into humans or animals.

Important Information

- Formulated in DPBS with 1 mM EDTA.
- Substitutes directly into existing protocols.
- No inactivation required; dilution alone inactivates TrypLE[™] avoiding the need for trypsin inhibitors.
- TrypLE[™] is also stable when stored in PET bottles at 2°C to 8°C and -20°C to -5°C protected from light for up to 24 months.
- TrypLE[™] packaged in the 5 L universal bag is also stable when stored at 2°C to 8°C protected from light for up to 24 months.

Safety Information

Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Use

 $TrypLE^{\text{\tiny M}}$ is designed as a direct substitute for trypsin in existing protocols. Optimal conditions and concentrations employed for individual systems should be determined empirically.

- Prewarm TrypLE™ and complete growth medium to 37°C before use. Minimize dwell time.
 - **Note:** TrypLE[™] may be used at ambient room temperature for many types of cells.
- 2. Aspirate spent medium and discard.
- 3. Wash cell monolayer with 5 mL of prewarmed Dulbecco's Phosphate Buffered Saline (DPBS) CTS™ without calcium and magnesium. Aspirate and discard.
- Add an appropriate volume (e.g., 5 mL in a 75 cm² flask) of TrypLE™ to the flask. Ensure complete coverage of cell monolayer with TrypLE™.
- 5. Incubate at 37°C until cells have detached. Observe cell monolayer using an inverted microscope to ensure complete cell detachment from the surface of the flask. Gently tap flask to dislodge cells.
- 6. Add 5–10 mL of complete medium to the flask. Tilt the flask in all directions to thoroughly rinse the flask. Transfer the cell suspension to a 15-mL conical tube.
- 7. Centrifuge at $100 \times g$ for 5–10 minutes.

- Discard supernatant and resuspend the cell pellet in 2–5 mL of complete medium.
- Determine the viable density using a Countess® Automated Cell Counter or alternative automated or manual method.
- 10. Seed, incubate, and subculture according to normal protocols depending on your cell type.

Note: Use of soybean trypsin inhibitor is not recommended.

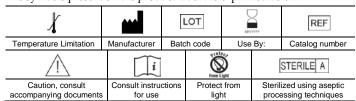
Related Products

Product	Catalog No.
Dulbecco's Phosphate Buffered Saline (DPBS) CTS^{M} without calcium, magnesium, or phenol red (1X), Liquid	A12856
TrypLE™ Select (1X), no Phenol Red	12563
TrypLE™ Express (1X), no Phenol Red	12604
UltraPure [™] 0.5 M EDTA, pH8.0	15575
Water, distilled	15230
Trypan Blue Stain	15250
Countess® Automated Cell Counter	C10227

Publication Number MAN0007390 Rev: 1.00

Explanation of Symbols and Warnings

The symbols present on the product label are explained below:



Limited Use Label License: Internal Research and Bioproduction Use

The purchase of this product conveys to the purchaser the limited, non-transferable right to use the purchased amount of the product (a) to perform internal research for the sole benefit of the purchaser; and (b) to culture cells for the purpose of producing a product wherein the product will be used for any or all of the following: (i) internal research use by the purchaser; (ii) resale for internal research use by third parties; (iii) performance of research conducted by the purchaser on a fee for service or contract basis for or on behalf of third parties; (iv) resale for use as a human therapeutic agent or diagnostics product or component by third parties; (v) performance of manufacturing services conducted by the purchaser on a fee for service or contract basis for or on behalf of third parties.

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Limited Product Warranty

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For additional technical information such as Safety Data Sheets (SDS), Certificates of Analysis, visit www.lifetechnologies.com/support For further assistance, email celltherapysupport@lifetech.com

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