

USER MANUAL

Product: Trypsinizer

Components: EDTA, NaCl, KCl, Na₂HPO₄, K₂HPO₄, Recombinant Trypsin

Reference number: 126 (100 mL); 127 (500 mL); 412 (100 mL bottle)

Size: 100 mL bottle, 500 mL bottle.

Intended Use:

For research or manufacturing purposes only.

Overview Product:

Trypsinizer is a solution used to dissociate loosely adherent cells in cell cultures without causing cell damage and the aging ensuing trypsinization.

The solution has a low endotoxin level (≤ 1.0 EU/mL), is free from mycoplasma contamination, meets the sterility criteria (0 CFU), has a pH range of 6.5 – 7.5, and an osmotic pressure of 286 - 356 (mOsm/kg).

The solution contains recombinant trypsin.

Known Applications:

Trypsinizer has been evaluated on mesenchymal stem cells, fibroblasts, keratinocytes, neural stem cells, and cancer cell lines MCF-7 and HepG2, demonstrating effective dissociation of adherent cells into single cell suspensions.

Reconstitution, Dilution, and Mixing:

The product is supplied in a 1X form, requiring no further dilution or addition of any components prior to usage.

Materials and Reagents Required but Not Provided:

Not applicable

Handling and Storage:

Storage temperature: -20°C - 8°C.

Expiration date: best before 18 months from manufacture date.

Instructions for Use:

1. Warm the Trypsinizer solution before use. It is recommended to aliquot the solution into a sterile container and incubate it in a heat block or a water bath at 37°C.
2. Inspect the cell cultures using a microscope.
3. Remove the old culture medium from the cell cultures.
4. Gently wash the cells by adding the Washing Buffer. Then, remove the washing solution.
5. Add an appropriate amount of Trypsinizer into the culture vessels. Gently swirl to evenly coat the surface of the cell cultures with the Trypsinizer solution.
6. Incubate the culture vessels in a 37°C incubator for 1-5 minutes.
7. Observe the cells under a microscope (spherical single cell suspensions should be achieved at this point).
8. Transfer the cell suspension into centrifuge tubes. Centrifuge at 1500 RPM for 5 minutes.
9. Remove the supernatant and resuspend the cell pellet in an appropriate solution for the intended purpose.

Precautions:









Do not use the product if the packaging is damaged or cracked, or if the solution appears turbid.

First Aid Measure:

Not applicable

Hazards Identification

The symbols present on the kit are explained below

			
Use By:	Batch code	Keep away from light	Catalog number
			
Temperature Limitation	Consult instructions for use	Caution, consult accompanying documents	Sterilized using aseptic processing techniques

Related-products

Product Name	Reference Number
Trypsin/EDTA 0,25%	
100 mL	431
500 mL	430
Deattachment	
100 mL	120; 411
500 mL	121
MSCCult I	
500 mL	108; 408
MSCCult II	
500 mL	296; 409
Washing Buffer	
100 mL	149
500 mL	150
ThawBest	
100 mL	142
500 mL	143

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