

Accutase™

**1X Accutase™ enzymes in Dulbecco's Phosphate Buffered Saline
With Phenol red
Sterile filtered**

Product Code: TCL075

Product Description :

Accutase™ is a ready to use cell detachment solution of proteolytic and collagenolytic enzymes. Accutase™ is a direct replacement for trypsin solution. It is useful for routine detachment of cells from standard tissue culture plastic ware and adhesion coated plastic ware. Accutase™ performs exceptionally well in detaching cells for the analysis of cell surface markers, virus growth assay, quiescence assays by serum starvation, transformation assays by oncogene transfection, neural crest cell migration assays, cell proliferation, cell haptotaxis, tumor cell migration assays, routine cell passage, production scale-up (bioreactor), and flow cytometry.

Cell lines tested for Accutase™ application include fibroblasts, keratinocytes, vascular endothelial cells, hepatocytes, vascular smooth muscle cells, hepatocyte progenitors, primary chick embryo neuronal cells, bone marrow stem cells, adherent CHO and BHK cells, macrophages, 293 cells, L929 cells, immortalized mouse testicular germ cells, 3T3, Vero, COS, HeLa, NT2, MG63, M24 and A375 metastatic melanoma, gliomas U251, D54, HT1080 fibrosarcoma cells, Sf9 insect cells, human embryonic stem cells, human mesenchymal stem cells and human neural stem cells. Accutase™ does not contain mammalian or bacterial derived products.

TCL075 is 1X Accutase™ enzymes in Dulbecco's Phosphate Buffered Saline containing 0.5mM EDTA sodium salt.

Directions :

1. Pour off the media covering the adherent cells.
2. Wash the cells using balanced salt solution without calcium and magnesium. Rinse the cell sheet by rocking the flask for 1 to 2 minutes and discard the wash solution.
3. Add enough Accutase™ to just cover the cell layer in the culture vessel using aseptic procedures.

4. Set culture vessel aside in hood and allow cells to detach for about 5-10 minutes.
5. Observe cells, when they have become semi-floating balls, tap the culture vessel a couple of times against the palm of your hand.
6. Add the medium to the flask. Disperse the cells into single cell suspension by pipetting repeatedly. Most cells can be left in Accutase™ up to 1 hr without effect.
7. Count the cells and passage as usual. No additional washes or enzyme inhibitors are required.

Note: Accutase™ does not need to be removed in normal cell passaging. The addition of media back into the Accutase™ detached cells will neutralize the Accutase™. In addition, Accutase™ normally will not kill cells if left in for too long.

Quality Control:

Appearance

Orangish red colored, clear solution.

pH

6.80 -7.80

Osmolality in mOsm/Kg H₂O

260.00 -300.00

Activity

500.00-720.00U/ml

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

Cell Dissociation Test.

Storage and Shelf Life:

Store the product at -20°C.

Accutase™ is stable for two months at 4°C and for 24 months at -20°C.

Use before expiry date given on the product label.

Revision : 1 / 2011

Disclaimer :

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