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Product Description

Accutase™

CATALOG #: AT-104 **LOT:** 9T3043A **EXP:** 07/2011

DESCRIPTION:

Accutase is a ready to use cell detachment solution of proteolytic and collagenolytic enzymes. Accutase is a direct replacement for trypsin solution. Useful for the 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 includes 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.

FORMAT:

100 ml, ready to use, frozen sterile liquid.

INTENDED USE:

For research use only. Caution: Not intended for human or animal diagnostic for therapeutic uses.

FORMULATION:

1X ACCUTASE enzymes in Dulbecco's PBS (0.2 g/L KCl, 0.2 g/L KH₂PO₄, 8 g/L NaCl, and 1.15 g/L Na₂HPO₄) containing 0.5 mM EDTA•4Na and 3 mg/L Phenol Red.

STORAGE:

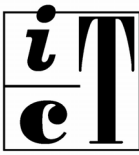
Do not store Accutase at room temperature. Store at 4C. Accutase is stable a 4C for two months and 2 years at -20C.

USE:

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.

General Dissociation:

1. Pour off the media covering the adherent cells.
2. Add enough Accutase to just cover the cell layer in the culture vessel using aseptic procedures.
3. Set culture vessel aside in hood and allow cells to detach for about 5-10 minutes.
4. Observe cells, when they have become semi-floating balls, tap the culture vessel a couple of times against the palm of your hand. Or aspirate cells up and down a couple of times with a pipette. Most cells can be left in Accutase up to 1 hr without effect.
5. Count cells and passage as usual: no additional washes or enzyme inhibitors are required.



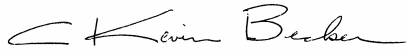
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Certificate of Analysis

Accutase™ Sterile, Cell Detachment Solution

<i>TEST</i>	<i>PRODUCT SPECIFICATION</i>	<i>THIS LOT</i>
pH	6.8 - 7.8	<u>7.3</u>
Sterility (USP 32 <71>)	Sterile	<u>sterile</u>
Performance (Cell Culture Tested)	Cell Detachment	<u>pass</u>
Activity*	500-720 Units per mL	<u>673</u>

*Activity Definition: One Unit will release one micromole pNA from
SUCR-pNA per minute at 37C



Director, Quality Assurance

Cat. No. AT-104
Lot No. 9T3043A
Date 08/24/2009

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TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE