



ACCUTASE™ SOLUTION

CATALOG NUMBER: SCR005 QUANTITY: 100 mL

LOT NUMBER:

DESCRIPTION: Accutase is a cell detachment solution of proteolytic and collagenolytic enzymes. It is useful for the routine detachment of cells from standard tissue culture plasticware and adhesion coated plasticware, including SmartPlastic™. Accutase solution does not contain mammalian or bacterial derived products. It has been shown to be effective on a wide variety of cell types including: 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 and D54, HT1080 fibrosarcoma cells, and Sf9 insect cells.

Each lot of Accutase solution is tested for Sterility (by USP membrane filtration method), enzymatic activity (tested with synthetic chromagenic tetrapeptides) and cell detachment from tissue culture plastic.

APPLICATIONS: **Cell Detachment:**

1. Thaw Accutase solution at room temperature.
2. Wash plate, flask or beads with sterile PBS.
3. Add Accutase solution to culture dish or flask using aseptic procedures at 10 mL per 75-cm² surface area.
4. Return culture to 37°C incubator and allow cells to detach (5-10 minutes).
5. Count cells and passage as usual. No additional washes or enzyme inhibitors are required.

FORMAT: 100 ml, ready to use, frozen sterile liquid.

PRESENTATION: 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/HANDLING: Store at -20°C for up to 12 months from date of receipt. After thawing, Accutase solution may be stored for up to 2 months at 4°C. **DO NOT STORE AT ROOM TEMP**

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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