

Celltase Cell Detachment Solution Reagent

Celltase Cell Detachment Solution

CATALOG #
AAA78394

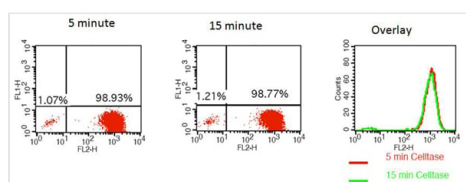
PRODUCT SYNONYMS

Celltase Cell Detachment Solution; Celltase Cell Detachment Solution reagent

PRODUCT SPECIFICATIONS

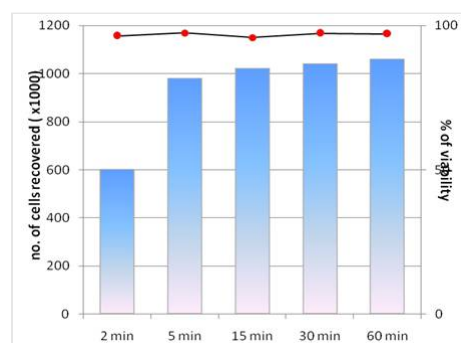
Form/Format	1X Celltase enzyme solution containing aqueous buffer, EDTA and Phenol Red. Sterile-filtered, suitable for cell culture.
Preparation and Storage	Store for 2 months at 2-8 degree C. 12 months if frozen at -20 degree C. For long term or intermittent use the product may be aliquoted and frozen if necessary.

IMAGES



Application Data

Fig. 2: A431 cells were detached with Celltase @ RT with 5 and 15 minutes of incubation time. Cells were washed, harvested and stained using anti-Epcam antibody. Anti mouse PE was used as secondary antibody. Cells were analyzed by flow cytometry and both the files were overlapped. Expression of Epcam antigen on the cell surface after Celltase treatment was similar in both the time points. Celltase is gentle on surface antigens and cell membrane unlike Trypsin.



Application Data

Fig. 1: Human A431 epidermoid carcinoma cells cultured in DMEM + 10% FBS were treated with Celltase at room temperature for different time points. Treatment resulted in rapid cell detachment and high viability. Cell viability was 96+/-4% even after 60 minutes of Celltase treatment.

ADDITIONAL INFORMATION

Related Product Information for Celltase Cell Detachment Solution reagent	Celltase is a ready-to-use cell detachment solution of made up of proteolytic and collagenolytic enzymes. Celltase is a direct replacement for Trypsin solution and is very useful for the routine cell disassociation from standard tissue culture plastic-ware and other adhesion coated polymers. Celltase is devoid of any mammalian and bacterial derived products. It performs efficiently in detaching cells for the analysis of cell surface markers, routine cell passage, proliferation assays, production scale-up of bioreactors, various bioassays and flow cytometry among others. Primary cells tested for Celltase application include fibroblasts, keratinocytes, hepatocytes, mouse bone marrow cells, hESCs, macrophages and PBMCs, neuronal stem cells. Celltase is shown to be effective on A431, HeLa, 293 cells, L929 cells, 3T3, A549, adherent CHO and BHK cells, HT1080 fibrosarcoma cells, Sf9 insect cells, Vero, COS, NT2, MG63, M24. As compared to Trypsin, Celltase TM is gentle on cells and it auto-inhibits at 37 degree C.
Product Categories/Family for Celltase Cell Detachment Solution reagent	Kits and Reagents ; Cell dissociation solutions

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

