

Accutase Cell Detachment Solution

General information

Accutase is a cell detachment solution of proteolytic and collagenolytic enzymes. It has been developed to meet the most demanding requirements for gentle and effective detachment of adherent cells. It is useful for the routine detachment of cells from standard tissue culture plasticware and adhesion coated plasticware.

The advantages of Accutase over the traditional Trypsin/EDTA treatment are that it is less damaging to cells leading to increased viability and no inactivation of the enzymes by inhibitors or serum is required. The Accutase solution does not contain mammalian or bacterial-derived products.

Product specifications

Appearance	Clear, pale red to orange solution
Storage and shelf life	Store at $\leq -15^{\circ}\text{C}$ Once defrosted, store at $+2$ to $+8^{\circ}\text{C}$. Note: Do not thaw the product in a 37°C water bath. After thawing, the Accutase solution may be stored for up to 2 months at $+2$ to $+8^{\circ}\text{C}$. Do not store at room temperature.
Shipping conditions	Frozen (Dry ice)
Working concentration	1x (ready-to-use)
Origin	Crustacea

Applications

- Gentle detachment of a vast variety of cells including very sensitive cell lines e.g. hESCs
- Routine cell passage
- Analysis of cell surface markers
- Quiescence assays by serum starvation
- Transformation assays by oncogene transfection
- Neural crest cell migration assays, tumor cell migration assays
- Cell proliferation, apoptosis

- Production scale-up (bioreactor)
- Flow cytometry

Formulation

Components	mg/l
EDTA 4Na	220
KCl	200
KH ₂ PO ₄	200
NaCl	8000
Na ₂ HPO ₄	1150
Phenol red	3
Accutase enzymes	1 x

Precautions and disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Ordering information

Catalogue number	Pack size
LTDe01	100 ml

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