

# Accutase® Cell Detachment Solution

Accutase® is a ready to use cell detachment solution that is a direct replacement for trypsin in all adherent cell cultures. This natural, non-mammalian, non-bacterial origin enzyme mixture has both proteolytic and collagenolytic enzyme activity, simultaneously mimicking the actions of trypsin and collagenase. Its remarkable efficiency allows it to be formulated at a much lower concentration than mammalian trypsin and collagenase, resulting in a gentler, less toxic – but just as effective – product.

## Key Advantages

- Less damaging to cells, provides greater cell viability
- Better cell surface marker protection, less cell signaling disruption
- Better viability provides enhanced plating efficiency and morphology
- Easy to inactivate, no neutralization or rinsing needed
- Non-mammalian and bacterial-free, with a lower risk of contamination
- Easy to inactivate, no neutralization or rinsing needed
- Ready to use, economical, and a long shelf life
- Useful for adherent and non-adherent cell lines

## Gentle Detachment for a Variety of Applications

- Routine passage of all adherent cell types
- Culturing & counting hESC, NSCs, and sensitive cells
- Transfection and infection studies
- Analysis of cell surface markers
- Migration and proliferation assays
- Flow cytometry preparation and single-cell suspension generation

## Wide Applicability Across Numerous Human and Non-Human Cells

Tested primary cells include fibroblasts, keratinocytes, vascular endothelial cells, hepatocytes, vascular smooth muscle cells, hepatocyte progenitors, primary chick embryo neuronal cells, bone marrow stem cells, and human and mouse ES cells.

Published using numerous 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.



**GeminiBio™**

For orders or inquiries, please contact your local Gemini Bio sales representative.

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