

AccutaseGMP

Ready to use non-mammalian, non-bacterial replacement for all applications of Accutase where GMP grade is necessary

Product Description

Name :	AccutaseGMP GMP Cell Detachment Solution Sterile
Catalog Number :	C2Y4Y0, 100 ml C2Y4Y1, 500 ml
Storage	2-8°C.

Advantages of AccutaseGMP

- Gentle on Cells
- Increased cell viability
- Fewer steps for cell passaging
- Non-mammalian, non-bacterial
- Maintenance of cell surface markers
- Harmonized documentation package including:
 - Certificate of Analysis
 - Certificate of Origin
 - BSE/TSE statement
 - Statement of Product Stability
 - Authorization letters for our Drug Master File, as appropriate

Applications

- Research and Development
- Cell and Gene Therapy product manufacturing
- Bioreactors
- Cell manufacturing
- Tissue-based product manufacturing

Directions for use

Proper Handling and Storage

Just like research grade Accutase, AccutaseGMP does not like heat. A fully frozen bottle of AccutaseGMP will be yellow in color and change to an orange color as it defrosts. This is normal. When you receive a bottle of AccutaseGMP into your laboratory, as long as there is an ice cube floating in the solution, it has arrived in perfect condition. Once unpacked, the product should be placed directly into the refrigerator at 2-8°C to defrost for storage and use.

FT-C2Y4Y0

1. AccutaseGMP should not be defrosted in a warm water bath. It is sensitive to temperatures above 37°C and will be inactivated after 45 minutes at 37°C.
2. AccutaseGMP should be defrosted overnight in the refrigerator at 2-8°C. Not in a 37°C water bath!
3. Always remember to shake up the bottle of AccutaseGMP after defrosting. As the solution defrosts, the components will not melt evenly.
4. AccutaseGMP is stable in the refrigerator at 2-8°C for 12 months from the date of manufacture. However, it should be removed from the refrigerator, used promptly, and returned to the refrigerator after use. AccutaseGMP does not need to be warmed up before being used.

Typical Stem Cell Passaging Protocol

AccutaseGMP is formulated at a concentration that is ready to use, once defrosted. (**Note: Never defrost a bottle of AccutaseGMP at 37°C.**) A defrosted bottle of AccutaseGMP can be removed from the refrigerator and immediately applied to cells. It does not need to be and should not be pre-warmed to 37°C. AccutaseGMP contains proteolytic and collagenolytic enzymes to gently break down the cell adhesion structure on the outside of cells that attaches them to the bottom of the flask.

This entire procedure should be done in a laminar flow hood using proper aseptic technique.

1. Carefully aspirate all of the media from the cell culture flask. (Rinsing with PBS is not necessary.)
2. Immediately add enough 4°C AccutaseGMP to the flask to cover the cells. (Typically, 0.1 to 0.2 mL per cm² of culture vessel surface area depending upon confluency and density of the cell culture.)

Flask	Approx. Growth Area (cm ²)	Recommended AccutaseGMP Volume (mL)
T25	25	2.5 – 5
T75	75	7.5 – 15
T150	150	15 – 30
T175	175	17.5 – 35
T225	225	22.5 – 45

3. Place the flask in a 37°C incubator for 5 to 10 minutes up to a maximum of 1 hr. After 5 minutes, check the flask every 2-3 minutes for cell detachment.
4. Once ~90% of the cells have detached, smack the flask against the palm of your hand to dislodge any remaining cells.
5. Add an equal volume of culture media to the flask, rinsing the culture surface with the media.
6. Gently resuspend the cell suspension and take a sample to determine the viable cell density.
7. Add the desired volume of cell suspension based on target culture density to fresh media in new flasks. Evenly distribute the suspension to ensure even seeding and place the flasks into the 37°C incubator. No neutralization steps are required. Cells will reattach within an hour depending upon cell type.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

Disclaimer : Materials from Uptima are sold **for research use only**, and are not intended for food, drug, household, or cosmetic uses. Uptima is not liable for any damage resulting from handling or contact with this product.