

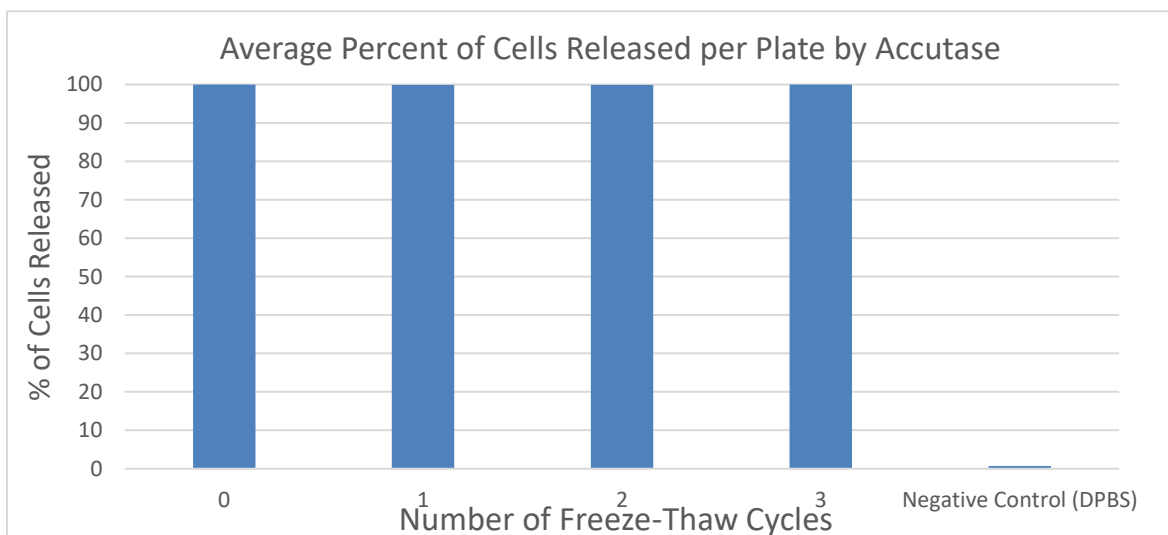


## Your Accutase<sup>®</sup> arrived partially defrosted?

Twenty+ years ago ICT made the decision to ship all Accutase and Accumax on Blue Ice instead of Dry Ice. This was done in an effort to reduce CO<sub>2</sub> emissions and minimize our environmental footprint. Internal QC experiments at ICT had shown the Accutase enzymes to be extremely stable under these shipping conditions. ICT has never received any complaints about the performance of the product under these shipping conditions to date.

All Accutase and Accumax shipped under these conditions normally arrives partially defrosted and it does not negatively impact the product in any way. As for storage, if you plan to use it in the next 3-4 weeks it can be stored at 4°C upon receipt. The material will remain thawed at 4C and be ready for use. If you are not planning to use it for a longer period but before the expiration date, we recommend storing it at -20°C until needed.

To reassure you of this claim, we conducted the following experiment using our standard QC cell line of adherent cells as a gold standard to determine the impact of freeze-thaw cycles on the performance of Accutase. The following data was collected by measuring the average percent of cells released by Accutase after shipping and multiple freeze thaw cycles.



The results of this experiment indicate:

- Accutase/Accumax can undergo 3 freeze-thaw cycles without a reduction in the percent of cells released.
- Accutase/Accumax which has arrived partially defrosted can be returned to the freezer for use later with no impact on cell detachment.

If you have any further questions about this issue, please do not hesitate to contact us at 858 587-1716 or [info@innovativecelltech.com](mailto:info@innovativecelltech.com).

Quality Assurance-March 1, 2023