



Defrosting Accutase® and Accumax Correctly

The Accutase and Accumax products are robust enzyme mixtures, when treated properly. They do not like heat. A fully frozen bottle of Accutase will be yellow in color and change to an orange color as it defrosts. This is normal. When you receive a bottle of Accutase or Accumax 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 can be refrozen or placed directly into the refrigerator for later use.

1. Accutase and Accumax should not be defrosted in a warm water bath. Both are sensitive to temperatures above 37°C and will be inactivated after 45 minutes at 37°C.
2. Accutase and Accumax should be defrosted overnight in the refrigerator or placed in a tub of cold tap water. Not in a 37°C water bath! It will take approximately 1-1.5 hours to defrost a bottle placed in a tub of cold water.
3. Always remember to shake up the bottle of Accutase or Accumax after defrosting. As the solution defrosts, the components will not melt evenly.
4. Although Accutase and Accumax can be defrosted, aliquoted, and then refrozen, it is not necessary. Both are stable in the refrigerator for at least 1 month. However, they should be removed from the refrigerator, used promptly, and returned to the refrigerator after use. These products do not need to be warmed up before being used.