

## Sample Thermodynamics

The thermistor probe and stir / freeze wire are lowered into the tube containing the sample. The stir wire vibrates slowly as the temperature of the sample is cooled down. The sample is super-cooled below its own freezing point to a preset temperature, when the stir wire violently vibrates and causes the sample to freeze. The sample temperature quickly rises as the heat of fusion escapes and then slows as it reaches the freezing point. As soon as the plateau is constant the reading is locked on the display and the head rises.

