

THERMOMETER ICE BATH CALIBRATION

Critical Steps to Creating a Proper Ice Bath

1



Fill Vessel with Ice

Fill the vessel **ALL THE WAY TO THE TOP** with ice. Crushed ice is preferred, because there are fewer gaps between the ice.

Add Correct Amount of Water

FILL TO ABOUT 1/2" BELOW THE TOP OF THE ICE. Ice should not be floating off of the bottom. If you see the ice starting to float off the bottom of the vessel, pour off some water and add more ice.



CAUTION

Water below the ice **WILL NOT** be at 32°F (0°C).

3



Insert Probe, Gently stir

Stir the probe in the vertical center of the ice. Allow sufficient time for the thermometer reading to stabilize. Stirring the probe keeps the sensor from resting against an ice cube, which will affect the reading. **KEEP THE PROBE TIP AWAY FROM THE SIDE WALLS AND DON'T ALLOW IT TO REST AGAINST THE BOTTOM OF THE VESSEL.** Doing so will give you inaccurate temperature readings.

IMPORTANT

Keep stirring the probe.

Calibrate

YOUR THERMOMETER SHOULD READ 32°F (0°C) in the ice bath. Adjust your dial thermometer as directed by the manufacturer; however, before you attempt to adjust a digital, instant-read thermometer, check that the readings are within the manufacturer's accuracy specifications. If it's within the specified tolerance, don't adjust!

32.0°F

4



Ice Bath Mug (MUG-IB) - \$7

Yes, this is really just a printed 32oz soda mug. But! Follow the steps exactly, and you'll have a temperature reference that can be accurate to the hundredths of a degree.