

3 monthly Thermometer Accuracy Check Procedure

Ice Point Check (Probe and Infrared Thermometers):

- Place crushed ice into a cup (preferably polystyrene)
- Add sufficient cold water until the ice begins to change to a clear colour, then drain excess water
- Turn on the thermometer
- Place the probe into the crushed ice mix (ensure it doesn't touch the base of the cup)
- Stir gently and allow the reading on the thermometer to stabilise for at least 30 seconds
- For infrared thermometers place a single tissue on top of the crushed ice (allow the tissue to become wet) and aim the infrared beam onto the tissue from a distance of 1-2cm. Perform this until three consecutive readings yield the same result
- Record the reading on Thermometer Accuracy Check Form
- If the result is 0 +/- 1.0°C (i.e. -1.0°C to 1.0°C) then continue to use the thermometer.
- If the result is outside this range, check that the battery is ok, and if so, then remove the thermometer from use and contact the service agent to arrange repair. If not, then replace the battery and repeat the ice point check.
- Remember to conduct (and record) an ice point check when the thermometer is returned from the service agent, before it is put back into use.

Boiling Point Check (Probe thermometers only):

- Heat water in a $\frac{3}{4}$ full electric jug with the lid off, until it is boiling. Alternatively use a pot to heat the water
- Carefully place the probe into the boiling water, taking care not to get splashed, or for the probe to touch the sides of the jug.
- Allow the thermometer reading to stabilise, and then record the results on Thermometer Accuracy Check Form
- If the results are more than 1 degree either side of 100°C then contact the supplier for advice.

3 Monthly Thermometer Accuracy Record

Date	Thermometer ID	Ice Point Result °C	Boiling Point Result °C	Comments	Checked By

Standard: Probe thermometers to read between -1.0 to $+1.0^{\circ}\text{C}$ (at ice point); $99 - 101^{\circ}\text{C}$ (at boiling point)
Infrared thermometers to read between -1.0 to $+1.0^{\circ}\text{C}$ (at ice point)

Corrective Action: If thermometer result is outside this range, contact the service agent to arrange repair (or replacement)

Date	Corrective Action Taken	Signed