

pH Meter Calibration Check Log

A calibration check is a simple test to make sure that the pH meter is working and reading pH correctly. *You will need to do this at least once per day.* In order to check the calibration of the pH meter, you will use two buffer solutions that have a known pH (one solution with a pH of 7.0, and another with a pH of 4.0).

In order to check the calibration, remove the cap from your pH probe, rinse the probe with distilled water, and dip the probe into a small container of fresh 7.0 buffer solution. Record the pH reading on this form. Rinse the probe again with distilled water, and dip the probe into a small container of fresh 4.0 buffer solution. Record the pH reading on this form.

The pH reading from the meter should be within 6.9-7.1 for the 7.0 buffer solution, and 3.9-4.1 for the 4.0 buffer solution. If the pH meter reads outside this range, you will need to follow the manufacturer's instructions to calibrate the pH meter, and redo the calibration check afterwards. If the pH meter is still not reading correctly, you must change to a time or temperature control method for the food until the pH meter is functioning again.

[illegible]