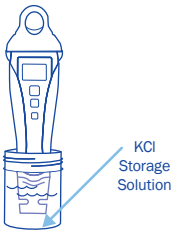
Bluelab pH Pen Hydration

Hydrate the pH pen tip in Bluelab pH Probe KCl Storage Solution before first use and after cleaning to improve the reading response speed.

Never use RO, Deionized or Distilled water.
Pure water changes the ions, causing the probe to die.

1. **Remove the storage cap.**
   Place the pH pen upright in a small plastic container.
2. **Add enough Bluelab pH Probe KCl Storage Solution to submerge the probe tip.**
3. **Leave to soak for at least 24 hours.**
   After hydration, always calibrate the pH pen to ensure accuracy. See section 7.0.



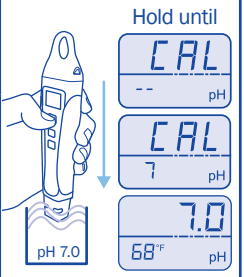
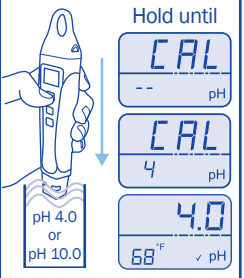
Bluelab pH Pen Calibration

pH calibration is required before first use to ensure that the first reading is accurate. Calibration is also required when:

- The check mark/tick has disappeared from the LCD screen (30 days after last calibration)
- The reading is different from what you expected
- After cleaning and hydration
- After changing the batteries

pH 7.0 and pH 4.0 solutions are required for calibration.
You may also calibrate using pH 7.0 and pH 10.0 solutions if your readings will normally be higher than 7.0 pH.

1. **Excluding first use, YOU MUST CLEAN the probe before calibrating.** See section 4.0.
   Hydrate the probe before first use and after cleaning, see section 6.0
2. **After hydration, rinse probe in fresh water and place in pH 7.0 solution.**
   Wait for the reading to stabilize.
3. **Press the cal button until CAL is displayed.**
   Release button. When CAL 7 is displayed, 1 point calibration is complete.



4. **Rinse probe in fresh water and place it in either pH 4.0 or pH 10.0 solution (use pH 10.0 solution if you expect to measure above 7.0 pH).**
   Wait for reading to stabilize.
5. **Press the cal button until CAL 4 or CAL 10 is displayed**
   CAL 4 or CAL 10 should be displayed (depending on what solution you are calibrating in). The check mark/tick is displayed when a 2 point (or 3) calibration is completed.
   NOTE: For a three point calibration repeat the steps using pH 7.0, pH 4.0 then pH 10.0 solution.