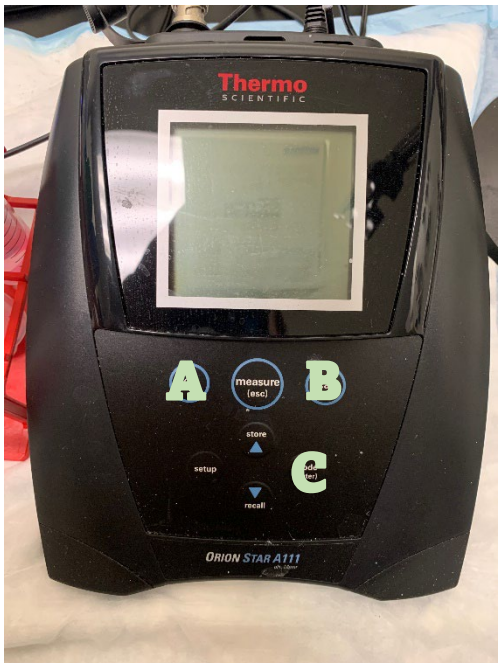
SOP: SP081
Created by: DRM 3/28/2023

Calibration of pH probe

Materials:
1. pH probe
2. 4.0 calibration solution
3. 7.0 calibration solution
4. 10.0 calibration solution
5. Electrode storage solution
6. MilliQ water
7. 50 mL conical tubes

Protocol:

1. _____ Fill three conicals with 15 mL of each calibration solution.
2. _____ Turn pH probe on by pressing button A. Wait until screen displays a pH measurement.
3. _____ Put probe in the 4.0 calibration solution. (Note 1)
4. _____ Enter calibration mode by pressing button B.
5. _____ Wait until the pH meter displays a READY signal.
6. _____ Press button B again.
7. _____ Rinse the probe with MilliQ water.
8. _____ Place probe in 7.0 calibration solution.
9. _____ Wait until the pH meter displays a READY signal.
10. _____ Press button B again.
11. _____ Rinse the probe with MilliQ water.
12. _____ Place probe in 10.0 calibration solution.
13. _____ Wait until the pH meter displays a READY signal.
14. _____ Press button C.
15. _____ Wait until it automatically enters measure mode.
16. _____ Rinse the probe with MilliQ water and put the pH meter in the electrode storage solution (Note 2)
17. _____ The meter is now ready for calibration.



Notes:
1. The order of calibration solutions is not important. You can calibrate in any order of solutions.
2. Discard the 4.0, 7.0, and 10.0 calibration solutions.
3. Link to a video to follow: https://www.youtube.com/watch?v=cgO-I8AuR5k