

SOP-E040

Operation of pH Meter- VWR 9100

Objective: To instruct proper usage of the VWR 9100 pH meter.

NOTE: Never wipe the electrode bulb, and only use water to rinse the electrode.

Procedure:

1. Turn on meter. The button is on the bottom row 2nd from the left.
2. Must calibrate, by first removing the old calibration values.
 - a. Hit **CAL** then **CLEAR** (CLR blinks in window)
 - b. Hit **CLEAR** again, will see three bars
3. Now remove electrode from the storage buffer and rinse with water.
4. Insert the electrode into **pH4.0** standard and press the **READ** button.
5. Calibration for pH 4.0 standard is complete when the **AUTO** eye stops flashing.
6. When 4.00 appears, remove the electrode from the pH 4.0 standard and rinse with water.
7. Now insert the electrode into **pH 7.0** standard and press **READ**.
8. Calibration for pH 7.0 standard is complete when **AUTO** eye stops flashing.
9. When 7.00 appears, remove the electrode from the pH 7.0 standard and rinse with water.
10. Now insert the electrode into **pH 10.01** and press **READ**.
11. Calibration for pH 10.01 standard is complete when **AUTO** eye stops flashing.
12. When 10.01 appears, remove the electrode from the pH 10.01 standard and rinse with water.
13. Calibration is now complete.
14. Press **EXIT**.
15. Place electrode in your sample.
16. Press **READ**.
17. When the reading is stable, record the pH.
18. Rinse electrode with water and place back into the electrode storage solution.

Created by: Kathy Ragheb

Date:

Verified by: _____ **Date:** _____

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