

PH Standard Buffer Solution (pH 10.0)

Cat #: A-CSH443

Size: 100mL

Storage: 2-8°C (12 months)

Product Description

The pH value of the pH Standard Buffer Solution is known and meets the specified accuracy. It exhibits good reproducibility and stability in pH values, with a large buffering capacity, low dilution value, and small temperature coefficient. This pH Standard Buffer Solution is commonly used for the calibration and slope adjustment of pH meters, with an accuracy range of ± 0.01 pH. The pH Standard Buffer Solution (pH=10.0) specifically refers to a pH value of 10.0 at 25°C.

Usage

1. Clean and dry the pH electrode in distilled water.
2. Measure the temperature of the pH Standard Buffer Solution using a thermometer and adjust the temperature value on the pH meter accordingly.
3. Position calibration: Immerse the pH electrode in the pH Standard Buffer Solution (pH=7.0), gently stir, and then let it stabilize. Once the measurement value is stable, calibrate according to the calibration button or the instrument's instructions.
4. Slope calibration I: Immerse the pH electrode in the pH Standard Buffer Solution (pH=4.0), gently stir, and then let it stabilize. Once the measurement value is stable, calibrate according to the calibration button or the instrument's instructions. The display will generally show a flashing 4.0.
5. Slope calibration II: Remove the pH electrode, clean it with distilled water, and dry it. Immerse the pH electrode in the pH Standard Buffer Solution (pH=10.0), gently stir, and then let it stabilize. Once the measurement value is stable, calibrate according to the calibration button or the instrument's instructions.

Notes

1. If the usage amount is small each time, it can be appropriately aliquoted before use.
2. When displaying pH calibration values, note that the pH value may vary with temperature.
3. According to the isothermal measurement principle of pH, the closer the temperature of the sample solution is to the calibration solution, the higher the measurement accuracy.
4. For most measurements, a two-point calibration can be used.
5. For your safety and health, please wear a lab coat and disposable gloves when handling

Disclaimer

For your safety and health, please wear lab attire and disposable gloves while handling.