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I spilled the storage solution for my water pH probe. What should I do?

Lindsay Starke - 2026-04-03 - [Comments \(0\)](#) - [Sensors and Modules](#)

The buffer solution used to store the pH probe is important for maintaining the equipment through its lifespan, thus you should replace it as soon as possible. In case of a spill, the solution will not cause harm to the skin but should not be ingested. If you spill the solution, fill the pH probe cap with water (as clean as you can find) temporarily until you can acquire replacement storage solution. Never store your pH probe in deionized or distilled water, as this can deionize the probe, rendering it unusable.

The solution used in the FieldKit pH probes is a 4M potassium chloride solution (KCl). To replace it, you can purchase pH storage solution from a laboratory supplier or use the following instructions: Add 10g of solid potassium chloride (KCl) to 100 mL of a buffer pH 4 solution. We also recommend adding buffer preservative (add 3 drops preservative/100 mLs solution). If you don't have pH 4 buffer solution available, you can prepare your own pH 4 buffer by adding 2 mL of 0.1 M HCl to 1000 mL of 0.1 M potassium hydrogen phthalate.

Need further help or reassurance? Reach out to our team and we'll do what we can to assist!