

Tips for pH Buffers

Solutions of known pH value, buffers allow you to adjust your testing system to measure your samples' unknown pH more precisely. For best accuracy:

- Perform standardizations with fresh buffer solutions. Never pour used buffer back into the bottle; always discard after using.
- Use buffers that frame the pH range of the samples you are testing—i.e., directly above and below the expected value of your sample.
- Match the temperature of the buffer to the temperature of the samples. For example, if your samples are at 50°C, warm your buffers to 50°C using a beaker in a water bath.
- Calibrate your system before each use or set of uses.

OAKION® pH Buffer Solutions

Oakton buffers for meters with 0.01 resolution are standardized against NIST-certified pH references within 0.01 pH at 77°F (25°C). Store buffers away from direct sunlight. Sold in individual bottles: 500-mL bottles are available in cases of 12; the 4-L bottles in cases of four.

Specifications & Ordering Information

| pH | 500-mL bottles | | | 1-L bottles | | 4-L bottles | | |
|-------|----------------------------|----------|----------------------------|----------------|----------------------------|-------------|----------------------------|----------------------------|
| | Catalog number | Price/ea | Catalog number | Price/cs of 12 | Catalog number | Price/ea | Catalog number | Price/cs of 4 |
| 1.68 | K-00654-01 | — | — | — | — | — | — | — |
| 4.01 | K-00654-00 | — | K-05942-21 | — | K-05942-22 | — | K-05942-24 | K-05942-25 |
| 7.00 | K-00654-04 | — | K-05942-41 | — | K-05942-42 | — | K-05942-44 | K-05942-45 |
| 10.00 | K-00654-08 | — | K-05942-61 | — | K-05942-62 | — | K-05942-64 | K-05942-65 |
| 12.45 | K-00654-12 | — | — | — | — | — | — | — |

[K-05942-10](#) Buffer solution assortment pack; one 500-mL bottle each of buffer 4, 7, and 10

OAKION® pH Solution Pack

New

Includes commonly used solutions for pH measurement and electrode maintenance

Economical and convenient way to order everything you need to calibrate, clean, and store your pH electrodes. Pack includes one 500-mL bottle each of pH 4.01, 7.00, and 10.00 NIST-certified buffers; one 500-mL bottle of cleaning solution for grease, oil, and protein removal; and one 500-mL bottle of storage solution to properly store your electrode while not in use.



Specifications & Ordering Information

| Catalog number | Description | Price |
|----------------------------|------------------|-------|
| K-05942-15 | pH solution pack | |



OAKION® pH Buffer Pouches

Economical pouches are accurate and convenient

Buffers are NIST-traceable and offer ±0.01 accuracy at 77°F (25°C). Pack of 20 pouches.

Specifications & Ordering Information

| Catalog number | pH | Price/pk |
|----------------------------|----------------|----------|
| K-35653-01 | 4.01 | |
| K-35653-02 | 7.00 | |
| K-35653-03 | 10.00 | |
| K-35653-00 | Rinse solution | |

[K-35653-04](#) Buffer pouch assortment pack; contains five pouches each of pH 4, 7, and 10 buffers and rinse solution

Assortment pack 35653-04

Technical info

Liquid, pre-mixed buffers offer a ready-to-use solution. Just pour out what you need and calibrate.

Buffer pouches contain ready-to-use solution portioned out for a single use and are the ideal option for field use.

Tablets allow for a small amount of fresh buffer to be made as needed. Perfect for infrequent calibration.

Capsules offer the longest shelf life, and allow you to make larger amounts of fresh buffer.

OAKION® High-Accuracy pH Buffer Solutions

Buffer solutions for meters with 0.001 resolution are accurate to either ±0.002 pH unit (pH 4 and 7 buffers) or ±0.005 pH unit (pH 10 buffer) when referenced to NIST-certified reference materials at 77°F (25°C). Available as an individual 500-mL bottle, or in a case of 12.

Specifications & Ordering Information

| pH | Catalog number | Price/ea | Catalog number | Price/cs of 12 |
|-------|----------------------------|----------|----------------------------|----------------|
| 4.01 | K-05942-26 | | K-05942-27 | |
| 7.00 | K-05942-46 | | K-05942-47 | |
| 10.00 | K-05942-66 | | K-05942-67 | |

05942-46



pH Buffer Tablets

Ideal when small amounts of buffer are needed

Quickly calibrate your pH meter in the lab or field. To make your own fresh buffer solutions, simply stir a tablet into 20 mL of distilled water. Bag of 50.

Specifications & Ordering Information

| Catalog number | pH | Price/bg |
|----------------------------|----|----------|
| K-55200-00 | 4 | |
| K-55200-02 | 7 | |



55200-00