



On site: Singlet™ buffer solutions in practical single dose pouches. Also available for calibrating process probes

For routine analyses: Ready-to-use, color-coded buffer solutions and buffer powder pillows

Buffer and standard solutions for laboratory and field analysis

- Wide selection of concentrations and package sizes
- Traceable to NIST standard reference materials
- For HQD™, Sension+™, and other pH and conductivity meters

Reliable results

Whether in the laboratory or in the field, correct measurement results are essential. The basis for accurate measurements is good care and calibration of the electrodes. As well as proper handling, the standard solutions that are used are key.

Hach® offers a large number of high quality buffer and standard solutions for pH and conductivity. The laboratory where these solutions are prepared is DKD*-accredited, giving them the seal of approval.

Certified standards

The certified IUPAC standards in airtight boxes have a shelf life of 4 years if unopened and can be used to achieve maximum accuracy.

A DKD approved calibration certificate is available for each batch.

The color-coded buffer solutions in 500 mL bottles are attractively priced all-rounders for almost every situation. Anyone carrying out occasional measurements in the lab or in the field will appreciate the practical Singlet 1 unit dose pouches.

Standard pH buffer and conductivity solutions

PH BUFFER SOLUTIONS

| Name | Description | Quantity | Art. no. |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Certified pH standards in accordance with IUPAC

Supplied in airtight boxes; guaranteed shelf life in unopened condition: 4 years; with DKD certificate; traceable to NIST standard reference materials; accuracy ± 0.010 pH (25°C)

| | | | |
|-----------|--|--------|---------|
| pH 1.679 | | 500 mL | S11M001 |
| pH 4.005 | | 500 mL | S11M002 |
| pH 7.000 | | 500 mL | S11M004 |
| pH 10.012 | | 500 mL | S11M007 |

High quality buffer solutions

Ready to use; with and without color-coding**

| | | | |
|----------|----------------------------|--------|---------|
| pH 4.01 | Red | 500 mL | 2283449 |
| pH 7.00 | Yellow | 500 mL | 2283549 |
| pH 10.01 | Blue | 500 mL | 2283649 |
| pH 4.01 | Colorless | 500 mL | 1222349 |
| pH 7.00 | Colorless | 500 mL | 1222249 |
| pH 10.00 | Colorless | 500 mL | 1222149 |
| pH 1.09 | Technical grade, colorless | 500 mL | S11M009 |
| pH 4.65 | Technical grade, colorless | 500 mL | S11M010 |
| pH 9.23 | Technical grade, colorless | 500 mL | S11M011 |

Buffer powder pillows

Individually sealed, for 50 mL buffer solution; with and without color-coding**

| | | | |
|----------|--------|--------|---------|
| pH 4.01 | Red | 50/pk | 2226966 |
| | | 250/pk | 2226964 |
| pH 7.00 | Yellow | 50/pk | 2227066 |
| | | 250/pk | 2227064 |
| pH 10.00 | Blue | 50/pk | 2227066 |
| | | 250/pk | 2227164 |

SINGLET buffer solutions

In airtight, color-coded, individual 25 mL pouches**

| | | | |
|-------------------------|---------------|-----------|---------|
| pH 7.00 and pH 10.01 | Yellow + Blue | 2 x 10/pk | 2769820 |
| pH 4.01 and pH 7.00 | Red + Yellow | 2 x 10/pk | 2769920 |
| pH 4.01 | Red | 20/pk | 2770020 |
| pH 7.00 | Yellow | 20/pk | 2770120 |
| pH 10.01 | Blue | 20/pk | 2770220 |

CONDUCTIVITY STANDARD SOLUTIONS

| Name | Description | Quantity | Art. no. |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Standards with certificate

Supplied in an airtight box; guaranteed shelf-life; with certificate; traceable to NIST standard reference materials

| | | | |
|------------|------------------------------|--------|---------|
| KCl 1 D | 111.3 mS/cm $\pm 0.5\%$ | 500 mL | S51M001 |
| KCl 0.1 D | 12.85 mS/cm $\pm 0.35\%$ | 500 mL | S51M002 |
| KCl 0.01 D | 1,408 μ S/cm $\pm 0.5\%$ | 500 mL | S51M003 |
| NaCl 0.05% | 1,015 μ S/cm $\pm 0.5\%$ | 500 mL | S51M004 |

NaCl solutions

| | | | |
|------------------------|----------------------------|--------|---------|
| 85.47 mg/L as NaCl | 180 ± 10 μ S/cm | 100 mL | 2307542 |
| 491 mg/L as NaCl | 1,000 ± 10 μ S/cm | 100 mL | 1440042 |
| 1,000 mg/L as NaCl | 1,990 ± 20 μ S/cm | 100 mL | 210542 |
| 10,246 mg/L as NaCl | 18,000 ± 50 μ S/cm | 100 mL | 2307442 |

Molar KCl solutions

| | | | |
|----------------------|------------------|--------|---------|
| KS910 KCl 0.1 M | 12.88 mS/cm | 500 mL | C20C250 |
| KS920 KCl 0.01 M | 1.413 mS/cm | 500 mL | C20C270 |
| KS930 KCl 0.001 M | 146.9 μ S/cm | 500 mL | C20C280 |

* DKD accredited production (Deutscher Kalibrierdienst) is a German accreditation body

** Buffer traceable to NIST standard reference materials, accuracy ± 0.02 pH (25 °C); additional concentrations on request

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