



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.
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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.
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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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