



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



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



Certified Reference Material CRM pH Buffer IUPAC Standard Solution. Guaranteed shelf life thanks to airtight aluminium outer packaging.

Buffer and standard solutions for laboratory and field analysis

- Wide selection of concentrations and package sizes
- Traceable to NIST standard reference materials or traceable to ISO 17034:2017
- For almost all makes and models of pH and conductivity meters including the outstanding Hach HQ™ series of meters and IntelliCal™ electrodes

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 in a variety of grades and packaging.

The colour-coded buffer solutions in 500 mL bottles are attractively priced all-rounders for almost every situation.

Singlet™ single use pouches guaranteeing maximum freshness and no contamination are an ideal choice for those carrying out field measurements or occasional measurements in the lab.

Buffer powder pillows are ideal for long lifespan and where storage space is at a premium or pack weight is important.

The Certified Reference Materials are for those who demand traceability and the highest accuracy.

Certified Reference Materials

For critical applications and metrology needs, Hach offers Certified Secondary pH Standard Reference Buffer Solutions and Certified Conductivity Standards, Certified Reference Material (CRM) according to DIN EN ISO 17034:2017. The certificate is reporting the exact pH buffer value or conductivity value with related expanded uncertainty.

These CRM are available in a wide range of values and offer a unique extended shelf-life period thanks to a premium air-tight aluminium packaging.

Certificate of Analysis from our registered calibration laboratory for Certified Reference Material (CRM) are available at <https://au.hach.com/IUPAC> or <https://nz.hach.com/IUPAC>.



Be Right™

Standard pH buffer and conductivity solutions

pH BUFFER SOLUTIONS

Name	Description	Quantity	Art. no.
Certified Reference Materials (CRM) in accordance with DIN EN ISO 17034:2017			
Supplied in airtight aluminium containers; guaranteed shelf life in unopened condition; with DKD* certificate; accuracy ± 0.010 pH (25°C).			
pH 1.679		500 mL	S11M001
pH 4.005		500 mL	S11M002
pH 6.865		500 mL	S11M003
pH 7.000		500 mL	S11M004
pH 7.413		500 mL	S11M005
pH 9.180		500 mL	S11M006
pH 10.012		500 mL	S11M007
pH 12.45		500 mL	S11M008

High quality buffer solutions traceable to NIST standard reference materials

Ready to use; with and without colour-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, colourless	500 mL	S11M009
pH 4.65	Technical grade, colourless	500 mL	S11M010
pH 9.23	Technical grade, colourless	500 mL	S11M011

Buffer powder pillows

Individually sealed, to prepare 50 mL buffer solution

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, colour-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

HACH PACIFIC

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

CONDUCTIVITY STANDARD SOLUTIONS

Name	Description	Quantity	Art. no.
Certified Reference Materials (CRM) in accordance with DIN EN ISO 17034:2017			
Supplied in an airtight aluminium container; guaranteed shelf-life; with DKD* certificate.			
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	25 μ S/cm $\pm 0.5\%$	250 mL	S51M013

NaCl solutions traceable to NIST standard reference materials

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 traceable to NIST standard reference materials

KCl 0.1 M	12.88 mS/cm	500 mL	C20C250
KCl 0.01 M	1413 μ S/cm	500 mL	C20C270
KCl 0.001 M	146.9 μ S/cm	500 mL	C20C280



Airtight aluminium outer packaging for guaranteed shelf life.

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

** Buffer traceable to NIST standard reference materials, accuracy ± 0.02 pH (25 °C).