

Буферные растворы

Технические характеристики

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Buffer pH 13.00**pH 13.00 ($\pm 0.02/20^{\circ}\text{C}$) Glycin-NaCl-NaOH**

For laboratory use, pH measurements, traceable to SRM from NIST

Traceability: Reference standards acc. NIST SRM 189c, 188, 185i, 186lg, 186llg, 187e

CL03.0208

Physical

- **Form:** liquid
- **Colour:** colourless
- **Melting point:** 0°C
- **Boiling point:** 100°C
- **Flash point:** -

- **Density:** 1,01 g/ml
- **Storage temp:** 2°C to 25°C

Art. Nr.	Pack	Mod	Stoc k	
CL03.0208.0250	250 ml	PE	0	Custom
CL03.0208.0500	500 ml	PE	2	
CL03.0208.1000	1 l	PE	3	
CL03.0208.9010	10 l	PE	0	

CL03.0207

Buffer pH 12.00**pH 12.00 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate-NaOH**

Art. Nr.	Pack	Mod	Stoc k	
CL03.0207.0250	250 ml	PE	0	Custom
CL03.0207.0500	500 ml	PE	1	

Art. Nr.	Pack	Mod	Stoc k	
CL03.0207.1000	1 l	PE	15	
CL03.0207.5500	5 l	EP	4	Custom
CL03.0207.9010	10 l	PE	0	

CL03.0206

Buffer pH 11.00

pH 11.00 ($\pm 0.02/20^{\circ}\text{C}$) $\text{H}_3\text{BO}_3\text{-KCl-NaOH}$

Art. Nr.	Pack	Mod	Stoc k	
CL03.0206.0250	250 ml	PE	0	Custom
CL03.0206.0500	500 ml	PE	10	
CL03.0206.1000	1 l	PE	255	
CL03.0206.9010	10 l	PE	0	

CL03.0204

Buffer pH 10.00

pH 10.00 ($\pm 0.02/20^{\circ}\text{C}$) $\text{H}_3\text{BO}_3\text{-KCl-NaOH}$

Art. Nr.	Pack	Mod	Stoc k	
CL03.0204.0100	100 ml	PE	3	

Art. Nr.	Pack	Mod	Stoc k	
CL03.0204.0500	500 ml	PE	22	
CL03.0204.1000	1 l	PE	289	
CL03.0204.2500	2.5 l	PE	0	Custom
CL03.0204.5500	5 l	EP	7	
CL03.0204.9010	10 l	PE	0	
CL03.0204.9025	25 l	PE	0	
CL03.0204.9520	20 l	EP	0	

CL03.0220

Buffer pH 9.60

pH 9.60 ($\pm 0.02/20^{\circ}\text{C}$) Borate-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0220.1000	1 l	PE	0	

CL03.0218

Buffer pH 9.00

pH 9.00 ($\pm 0.02/20^{\circ}\text{C}$) H₃BO₃-KCl-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0218.0500	500 ml	PE	9	

Art. Nr.	Pack	Mod	Stoc k
CL03.0218.1000	1 l	PE	300
CL03.0218.5500	5 l	EP	3
CL03.0218.9010	10 l	PE	0
CL03.0218.9520	20 l	EP	3

CL03.0229

Buffer pH 8.50

pH 8.50 ($\pm 0.02/20^{\circ}\text{C}$) H₃BO₃-KCl-NaOH

Art. Nr.	Pack	Mod	Stoc k
CL03.0229.1000	1 l	PE	10
CL03.0229.5000	5 l	PE/HV	0

CL03.0217

Buffer pH 8.00

pH 8.00 ($\pm 0.02/20^{\circ}\text{C}$) H₃BO₃-KCl-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0217.0250	250 ml	PE	0	Custom
CL03.0217.0500	500 ml	PE	7	
CL03.0217.1000	1 l	PE	43	

Art. Nr.	Pack	Mod	Stoc k
CL03.0217.5500	5 l	EP	0
CL03.0217.9010	10 l	PE	0
CL03.0228 Buffer pH 7.50 pH 7.50 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate			

Art. Nr.	Pack	Mod	Stoc k
CL03.0228.1000	1 l	PE	0
CL03.0228.5000	5 l	PE/HV	0
CL03.0227 Buffer pH 6.50 pH 6.50 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate			

Art. Nr.	Pack	Mod	Stoc k
CL03.0227.1000	1 l	PE	2
CL03.0227.5000	5 l	PE/HV	0
CL03.0247 Buffer pH 6.00 pH 6.00 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate-NaOH			

Art. Nr.	Pack	Mod	Stoc k	
CL03.0247.9025	25 l	PE	0	Custom

CL03.0215
Buffer pH 6.00
pH 6.00 (±0.02/20°C) Citrate-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0215.0250	250 ml	PE	0	Custom
CL03.0215.0500	500 ml	PE	2	
CL03.0215.1000	1 l	PE	47	
CL03.0215.5500	5 l	EP	3	
CL03.0215.9010	10 l	PE	0	

CL03.0248
Buffer pH 5.00
pH 5.00 (±0.02/20°C) KCl - C₈H₅O₄K - NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0248.9025	25 l	PE	2	Custom

CL03.0214
Buffer pH 5.00
pH 5.00 (±0.02/20°C) Citrate-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0214.0250	250 ml	PE	0	Custom
CL03.0214.0500	500 ml	PE	0	
CL03.0214.1000	1 l	PE	40	
CL03.0214.9010	10 l	PE	0	

CL03.0213

Buffer pH 4.00

pH 4.00 ($\pm 0.02/20^{\circ}\text{C}$) Citrate-NaCl-NaOH

Art. Nr.	Pack	Mod	Stoc k	
CL03.0213.0500	500 ml	PE	149	
CL03.0213.1000	1 l	PE	351	
CL03.0213.5500	5 l	EP	22	
CL03.0213.9010	10 l	PE	4	
CL03.0213.9025	25 l	PE	5	
CL03.0213.9520	20 l	EP	0	

CL03.0212

Buffer pH 3.60

pH 3.60 ($\pm 0.02/20^{\circ}\text{C}$) Phtalate-HCl

Art. Nr.	Pack	Mod	Stoc k
CL03.0212.1000	1 l	PE	2
CL03.0212.9010	10 l	PE	0
CL03.0211 Buffer pH 3.50 pH 3.50 ($\pm 0.02/20^{\circ}\text{C}$) Phthalate-HCl			

Art. Nr.	Pack	Mod	Stoc k
CL03.0211.1000	1 l	PE	1
CL03.0211.9010	10 l	PE	0
CL03.0210 Buffer pH 3.00 pH 3.00 ($\pm 0.02/20^{\circ}\text{C}$) Citrate-NaCl-NaOH			

Art. Nr.	Pack	Mod	Stoc k	
CL03.0210.0250	250 ml	PE	0	Custom
CL03.0210.0500	500 ml	PE	28	
CL03.0210.1000	1 l	PE	87	
CL03.0210.9010	10 l	PE	0	
CL03.0209 Buffer pH 2.00				

pH 2.00 ($\pm 0.02/20^{\circ}\text{C}$) Citrate-NaCl-HCl

Art. Nr.	Pack	Mod	Stoc k	
CL03.0209.0250	250 ml	PE	0	Custom
CL03.0209.0500	500 ml	PE	21	
CL03.0209.1000	1 l	PE	176	
CL03.0209.5500	5 l	EP	0	
CL03.0209.9010	10 l	PE	0	

CL03.0203

Buffer pH 1.00

pH 1.00 ($\pm 0.02/20^{\circ}\text{C}$) KCl-HCl

Art. Nr.	Pack	Mod	Stoc k	
CL03.0203.0250	250 ml	PE	0	Custom
CL03.0203.0500	500 ml	PE	8	
CL03.0203.1000	1 l	PE	33	
CL03.0203.5500	5 l	EP	0	
CL03.0203.9010	10 l	PE	0	

Art. Nr.	Pack	Mod	Stoc k
CL03.0203.9520	20 l	EP	0

Art. Nr.	Pack	Mod	Stoc k
CL03.0710.0100	100 ml	PE	23
CL03.0710.0500	500 ml	PE	33
CL03.0710.1000	1 l	PE	246
CL03.0710.5500	5 l	EP	2
CL03.0710.9010	10 l	PE	0
CL03.0710.9025	25 l	PE	1
CL03.0710.9520	20 l	EP	0

CL03.0711
Buffer pH 9.00 (colored)
 pH 9.00 ($\pm 0.02/20^{\circ}\text{C}$) H₃BO₃-KCl-NaOH (green)

Art. Nr.	Pack	Mod	Stoc k
CL03.0711.0500	500 ml	PE	1
CL03.0711.1000	1 l	PE	12
CL03.0711.5500	5 l	EP	0

Art. Nr.	Pack	Mod	Stoc k
CL03.0711.9520	20 l	EP	0

CL03.0704

Buffer pH 7.00 (colored)

pH 7.00 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate (green)

Art. Nr.	Pack	Mod	Stoc k
CL03.0704.0100	100 ml	PE	28
CL03.0704.0500	500 ml	PE	5
CL03.0704.1000	1 l	PE	104
CL03.0704.5500	5 l	EP	26
CL03.0704.9010	10 l	PE	4
CL03.0704.9520	20 l	EP	0

CL03.0715

Buffer pH 7.00 (colored)

pH 7.00 ($\pm 0.02/20^{\circ}\text{C}$) Phosphate (yellow)

Art. Nr.	Pack	Mod	Stoc k	
CL03.0715.1000	1 l	PE	78	Custom
CL03.0715.9200	200 l	PEB	0	Custom

CL03.0702

Buffer pH 4.00 (colored)

pH 4.00 ($\pm 0.02/20^{\circ}\text{C}$) Citrate-NaCl-NaOH (red)

Art. Nr.	Pack	Mod	Stoc k
CL03.0702.0100	100 ml	PE	14
CL03.0702.0500	500 ml	PE	103
CL03.0702.1000	1 l	PE	191
CL03.0702.5500	5 l	EP	11
CL03.0702.9010	10 l	PE	1
CL03.0702.9520	20 l	EP	1

CL03.0706

Buffer pH 2.00 (colored)

pH 2.00 ($\pm 0.02/20^{\circ}\text{C}$) KCl-HCl (red)

Art. Nr.	Pack	Mod	Stoc k
CL03.0706.1000	1 l	PE	2
CL03.0706.9010	10 l	PE	0

Art. Nr.	Pack	Mod	Stoc k
CL03.0238.0500	500 ml	PE	30

CL03.0237
Buffer pH 7.000 (25°C)
 pH 7.000 ($\pm 0.005/25^\circ\text{C}$) Phosphate

Art. Nr.	Pack	Mod	Stoc k
CL03.0237.0500	500 ml	PE	6

CL03.0236
Buffer pH 4.000 (25°C)
 pH 4.00 ($\pm 0.005/25^\circ\text{C}$) Citrate-NaCl-NaOH

Art. Nr.	Pack	Mod	Stoc k
CL03.0236.0500	500 ml	PE	10

CL03.0614
Phosphate buffer pH 6.8
 6.80 g KH_2PO_4 + 0.944 g NaOH / l H_2O - (pH 6.80 $\pm$ 0.05 / 25°C)

Art. Nr.	Pack	Mod	Stoc k	
CL03.0614.9010	10 l	PE	0	Custom

CL03.0615
Phosphate buffer pH 6.8

6.80 g KH₂PO₄ + 0.944 g NaOH / l H₂O - (pH 6.80 ± 0.05 / 25°C)

Art. Nr.	Pack	Mod	Stoc k	
CL03.0615.9010	10 l	PE	0	Custom

Art. Nr.	Pack	Mod	Stoc k
CL03.0302.1000	1 l	PE	0
CL03.0302.9010	10 l	PE	0

CL03.0301

Standard Buffer Carbonate pH 10.060

pH 10.060 (±0.02/20°C) - 5.3 g Na₂CO₃ + 4.2 g NaHCO₃ / l H₂O

Art. Nr.	Pack	Mod	Stoc k
CL03.0301.0500	500 ml	PE	1
CL03.0301.1000	1 l	PE	0
CL03.0301.9010	10 l	PE	0

CL03.0202

Standard Buffer Borate pH 9.225

pH 9.225 (±0.02/20°C) - 3.81 g Na₂B₄O₇·10H₂O / l H₂O

Casnr.: 1303-96-4

Art. Nr.	Pack	Mod	Stoc k
CL03.0202.0500	500 ml	PE	11
CL03.0202.1000	1 l	PE	12
CL03.0202.9010	10 l	PE	0

CL03.0601

Standard Buffer Phosphate pH 6.881

pH 6.881 ($\pm 0.02/20^{\circ}\text{C}$) - 3.4 g KH_2PO_4 + 3.55 g Na_2HPO_4 / l H_2O

Art. Nr.	Pack	Mod	Stoc k
CL03.0601.0500	500 ml	PE	3
CL03.0601.1000	1 l	PE	1
CL03.0601.9010	10 l	PE	0

CL03.0101

Standard Buffer Acetate pH 4.62

pH 4.62 ($\pm 0.02/20^{\circ}\text{C}$) acetate

Art. Nr.	Pack	Mod	Stoc k
CL03.0101.1000	1 l	PE	0
CL03.0101.9010	10 l	PE	0

CL03.0602

Standard Buffer Phthalate pH 4.002

pH 4.002 ($\pm 0.02/20^{\circ}\text{C}$) - 10.13 g $\text{C}_8\text{H}_5\text{KO}_4$ / l H_2O

Casnr.: 877-24-7

Art. Nr.	Pack	Mod	Stoc k
CL03.0602.0500	500 ml	PE	3
CL03.0602.1000	1 l	PE	3
CL03.0602.9010	10 l	PE	0

CL03.1107

Standard Buffer Potassium tetraoxalate pH 1.675

pH 1.675 ($\pm 0.02/20^{\circ}\text{C}$) - 12.7 g $\text{C}_4\text{H}_3\text{KO}_8$ / l H_2O

Casnr.: 6100-20-5

Art. Nr.	Pack	Mod	Stoc k
CL03.1107.1000	1 l	PE	0
CL03.1107.9010	10 l	PE	0

Art. Nr.	Pack	Mod	Stoc k
CL03.0707.1000	1 l	PE	0
CL03.0707.9010	10 l	PE	0

CL03.0701

Standard Buffer Carbonate pH 10.060 (colored)

pH 10.060 ($\pm 0.02/20^{\circ}\text{C}$) - 5.3 g Na_2CO_3 + 4.2 g NaHCO_3 / l H_2O (blue)

Art. Nr.	Pack	Mod	Stoc k
CL03.0701.1000	1 l	PE	0
CL03.0701.9010	10 l	PE	0

CL03.0712

Standard Buffer Borate pH 9.225 (colored)

pH 9.225 ($\pm 0.02/20^{\circ}\text{C}$) - 3.81 g $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ / l H_2O (green)

Art. Nr.	Pack	Mod	Stoc k	
CL03.0712.9025	25 l	PE	1	Custom

CL03.0705

Standard Buffer Borate pH 9.225 (colored)

pH 9.225 ($\pm 0.02/20^{\circ}\text{C}$) - 3.81 g $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$ / l H_2O (green)

Casnr.: 1303-96-4

Art. Nr.	Pack	Mod	Stoc k	
CL03.0705.0500	500 ml	PE	0	Custom
CL03.0705.1000	1 l	PE	39	
CL03.0705.9010	10 l	PE	0	

CL03.0703

Standard Buffer Phosphate pH 6.881 (colored)

pH 6.881 ($\pm 0.02/20^{\circ}\text{C}$) - 3.4 g KH_2PO_4 + 3.55 g Na_2HPO_4 / l H_2O (green)

Art. Nr.	Pack	Mod	Stoc k
CL03.0703.1000	1 l	PE	0
CL03.0703.9010	10 l	PE	0
CL03.0703.9520	20 l	EP	0

CL03.0713

Standard Buffer Phosphate pH 6.881 (colored)

pH 6.881 ($\pm 0.02/20^{\circ}\text{C}$) - 3.4 g KH_2PO_4 + 3.55 g Na_2HPO_4 / l H_2O (green)

Casnr.: 1303-96-4

Art. Nr.	Pack	Mod	Stoc k	
CL03.0713.9025	25 l	PE	1	Custom

CL03.0714

Standard Buffer Phthalate pH 4.002 (colored)

pH 4.002 ($\pm 0.02/20^{\circ}\text{C}$) - 10.13 g $\text{C}_8\text{H}_5\text{KO}_4$ / l H_2O (red)

Casnr.: 877-24-7

Art. Nr.	Pack	Mod	Stoc k	
CL03.0714.9025	25 l	PE	2	Custom

CL03.0709

Standard Buffer Phthalate pH 4.002 (colored)

pH 4.002 ($\pm 0.02/20^{\circ}\text{C}$) - 10.13 g $\text{C}_8\text{H}_5\text{KO}_4$ / l H_2O (red)

Casnr.: 877-24-7

Art. Nr.	Pack	Mod	Stoc k
CL03.0709.1000	1 l	PE	0
CL03.0709.9010	10 l	PE	0
CL03.0709.9520	20 l	EP	0

CL03.0708

Standard Buffer Potassium tetraoxalate pH 1.675 (colored)

pH 1.675 ($\pm 0.02/20^{\circ}\text{C}$) - 12.7 g $\text{C}_4\text{H}_3\text{KO}_8$ / l H_2O (red)

Casnr.: 6100-20-5

Art. Nr.	Pack	Mod	Stoc k
CL03.0708.1000	1 l	PE	2
CL03.0708.9010	10 l	PE	0

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