

pH buffers (NIST)

Consort						B502	B504	B507	B510		B512
Temp.	1.68	4.01	6.87	9.18	12.45	2.00	4.00	7.00	9.21	10.01	12.00
0°C	1.666 pH	4.003 pH	6.984 pH	9.464 pH	13.423 pH						
5°C	1.668 pH	3.999 pH	6.951 pH	9.395 pH	13.207 pH	1.85 pH	3.99 pH	7.08 pH	9.45 pH	10.24 pH	12.56 pH
10°C	1.670 pH	3.998 pH	6.923 pH	9.332 pH	13.003 pH	1.89 pH	3.99 pH	7.06 pH	9.38 pH	10.18 pH	12.35 pH
15°C	1.672 pH	3.999 pH	6.900 pH	9.276 pH	12.810 pH	1.93 pH	3.99 pH	7.03 pH	9.32 pH	10.12 pH	12.24 pH
20°C	1.675 pH	4.002 pH	6.881 pH	9.225 pH	12.627 pH	1.96 pH	3.99 pH	7.01 pH	9.26 pH	10.06 pH	12.14 pH
25°C	1.679 pH	4.008 pH	6.865 pH	9.180 pH	12.454 pH	2.00 pH	4.00 pH	7.00 pH	9.21 pH	10.01 pH	12.00 pH
30°C	1.683 pH	4.015 pH	6.853 pH	9.139 pH	12.289 pH	2.03 pH	4.01 pH	6.99 pH	9.16 pH	9.97 pH	11.89 pH
40°C	1.694 pH	4.035 pH	6.838 pH	9.068 pH	11.984 pH	2.08 pH	4.03 pH	6.98 pH	9.06 pH	9.89 pH	11.71 pH
50°C	1.707 pH	4.060 pH	6.833 pH	9.011 pH	11.705 pH	2.12 pH	4.05 pH	6.97 pH	8.99 pH	9.83 pH	11.52 pH
60°C	1.723 pH	4.091 pH	6.836 pH	8.962 pH	11.449 pH	2.14 pH	4.09 pH	6.98 pH	8.93 pH	9.79 pH	11.33 pH
70°C	1.743 pH	4.126 pH	6.845 pH	8.921 pH							
80°C	1.766 pH	4.164 pH	6.859 pH	8.885 pH							

Conductivity KCl standards

Consort	B560	B561	B562	B566
Temp.	0.01 M	0.1 M	1 M	Temp. 200.0 mS
0°C	776 µS	7.15 mS	65.4 mS	19°C 179.2 mS
5°C	896 µS	8.22 mS	74.1 mS	20°C 182.6 mS
10°C	1020 µS	9.33 mS	83.2 mS	21°C 186.0 mS
15°C	1147 µS	10.48 mS	92.5 mS	22°C 189.4 mS
20°C	1278 µS	11.67 mS	102.1 mS	23°C 193.0 mS
25°C	1413 µS	12.88 mS	111.8 mS	24°C 196.4 mS
30°C	1552 µS	14.12 mS	121.7 mS	25°C 200.0 mS
				26°C 203.6 mS

Redox standards

Consort	B571	B572
Temp.	124mV	358 mV
2°C	153 mV	385 mV
4°C	150 mV	382 mV
6°C	147 mV	380 mV
8°C	144 mV	378 mV
10°C	141 mV	376 mV
12°C	138 mV	373 mV
14°C	136 mV	371 mV
16°C	134 mV	368 mV
18°C	132 mV	366 mV
20°C	130 mV	364 mV
22°C	127 mV	361 mV
24°C	125 mV	359 mV
25°C	124 mV	358 mV
26°C	123 mV	357 mV
28°C	125 mV	355 mV
30°C	122 mV	352 mV
32°C	120 mV	350 mV
34°C	117 mV	347 mV
36°C	115 mV	345 mV
38°C	112 mV	343 mV
40°C	99 mV	340 mV