

## pH Buffers vs. Temperature

Catalog Number	Buffer Name	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C	50°C
LC12180	pH 1.0	0.92	0.95	0.98	1.01	1.01	1.00	1.02	1.03	1.02	1.03
LC12200	pH 1.07	0.99	1.02	1.05	1.06	1.06	1.07	1.09	1.09	1.09	1.10
LC12210	pH 1.68	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.69	1.71
LC12220	pH 2.0	1.97	1.98	1.98	2.02	2.00	2.00	2.00	2.02	2.01	2.02
LC12250	pH 3.0	2.97	2.98	2.97	3.00	3.00	3.00	3.02	3.03	3.03	3.06
LC12270	pH 4.0	4.01	3.99	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.06
LC12280	pH 4.0 (Red)	4.01	3.99	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.06
LC12300	pH 5.0	5.05	5.04	5.03	5.00	5.00	5.00	5.01	5.01	5.04	5.07
LC12330	pH 6.0	6.07	6.05	6.06	6.05	6.00	6.00	5.99	5.98	5.97	5.96
LC12350	pH 6.86	6.98	6.95	6.93	6.89	6.88	6.86	6.85	6.84	6.83	6.83
LC12370	pH 7.0	7.13	7.10	7.07	7.05	7.02	7.00	6.99	6.98	6.97	6.83
LC12380	pH 7 (Yellow)	7.13	7.10	7.07	7.05	7.02	7.00	6.99	6.98	6.97	6.83
LC12400	pH 7.38	7.51	7.48	7.45	7.43	7.40	7.38	7.37	7.36	7.35	7.33
LC12390	pH 7.4	7.53	7.50	7.47	7.45	7.42	7.40	7.39	7.38	7.37	7.35
LC12410	pH 7.7	7.85	7.83	7.78	7.71	7.70	7.70	7.70	7.65	7.64	7.61
LC12420	pH 8.0	8.15	8.13	8.08	8.01	8.00	8.00	8.00	7.95	7.94	7.93
LC12440	pH 9.0	9.17	9.13	9.09	9.06	9.02	9.00	8.97	8.93	8.91	8.87
LC12450	pH 9.18	9.46	9.40	9.33	9.27	9.23	9.18	9.14	9.10	9.07	9.01
LC12455	pH 10.0 Carbonate	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81
LC12500	pH 10.0 Borate	10.34	10.26	10.19	10.12	10.06	10.00	9.94	9.90	9.85	9.77
LC12505	pH 10.0 Carbonate (Blue)	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81
LC12510	pH 10.0 Borate (Blue)	10.34	10.26	10.19	10.12	10.06	10.00	9.94	9.90	9.85	9.77
LC12540	pH 11.0	11.80	11.69	11.46	11.31	11.17	11.00	10.88	10.76	10.62	10.37
LC12560	pH 12.0	12.02	12.03	12.04	12.01	12.00	12.00	12.02	12.02	12.06	12.10
LC12562	pH 12.45	12.79	12.73	12.67	12.59	12.52	12.45	12.36	12.25	12.17	11.96
LC12565	pH 13.0	13.83	13.68	13.50	13.33	13.17	13.00	12.84	12.72	12.51	12.18

This chart is not lot specific and is not a certificate of analysis (C of A).  
 Catalog items are standardized at 25°C and actual results are available on the C of A.