

°C

# Oxygen Saturation Chart

in. Hg	29.92	29.72	29.53	29.33	29.13	28.94	28.74	28.54	28.35	28.15	27.95	27.76	27.56	27.36	27.17
mm Hg	760	755	750	745	740	735	730	725	720	715	710	705	700	695	690
17 °C	9.63	9.57	9.50	9.44	9.38	9.31	9.25	9.19	9.12	9.06	9.00	8.93	8.87	8.81	8.74
17.1 °C	9.61	9.55	9.48	9.42	9.36	9.29	9.23	9.17	9.10	9.04	8.98	8.91	8.85	8.79	8.72
17.2 °C	9.59	9.53	9.46	9.40	9.34	9.27	9.21	9.15	9.09	9.02	8.96	8.90	8.83	8.77	8.71
17.3 °C	9.57	9.51	9.44	9.38	9.32	9.26	9.19	9.13	9.07	9.00	8.94	8.88	8.81	8.75	8.69
17.4 °C	9.55	9.49	9.42	9.36	9.30	9.24	9.17	9.11	9.05	8.98	8.92	8.86	8.80	8.73	8.67
17.5 °C	9.53	9.47	9.40	9.34	9.28	9.22	9.15	9.09	9.03	8.97	8.90	8.84	8.78	8.71	8.65
17.6 °C	9.51	9.45	9.38	9.32	9.26	9.20	9.13	9.07	9.01	8.95	8.88	8.82	8.76	8.70	8.63
17.7 °C	9.49	9.43	9.37	9.30	9.24	9.18	9.12	9.05	8.99	8.93	8.87	8.80	8.74	8.68	8.62
17.8 °C	9.47	9.41	9.35	9.28	9.22	9.16	9.10	9.03	8.97	8.91	8.85	8.78	8.72	8.66	8.60
17.9 °C	9.45	9.39	9.33	9.26	9.20	9.14	9.08	9.01	8.95	8.89	8.83	8.77	8.70	8.64	8.58
18 °C	9.43	9.37	9.31	9.24	9.18	9.12	9.06	9.00	8.93	8.87	8.81	8.75	8.69	8.62	8.56
18.1 °C	9.41	9.35	9.29	9.22	9.16	9.10	9.04	8.98	8.91	8.85	8.79	8.73	8.67	8.61	8.54
18.2 °C	9.39	9.33	9.27	9.20	9.14	9.08	9.02	8.96	8.90	8.83	8.77	8.71	8.65	8.59	8.53
18.3 °C	9.37	9.31	9.25	9.19	9.12	9.06	9.00	8.94	8.88	8.82	8.75	8.69	8.63	8.57	8.51
18.4 °C	9.35	9.29	9.23	9.17	9.10	9.04	8.98	8.92	8.86	8.80	8.73	8.67	8.61	8.55	8.49
18.5 °C	9.34	9.28	9.22	9.16	9.09	9.03	8.97	8.91	8.85	8.79	8.73	8.66	8.60	8.54	8.48
18.6 °C	9.32	9.26	9.20	9.14	9.07	9.01	8.95	8.89	8.83	8.77	8.71	8.65	8.58	8.52	8.46
18.7 °C	9.3	9.24	9.18	9.12	9.06	8.99	8.93	8.87	8.81	8.75	8.69	8.63	8.57	8.50	8.44
18.8 °C	9.28	9.22	9.16	9.10	9.04	8.97	8.91	8.85	8.79	8.73	8.67	8.61	8.55	8.49	8.43
18.9 °C	9.26	9.20	9.14	9.08	9.02	8.96	8.89	8.83	8.77	8.71	8.65	8.59	8.53	8.47	8.41
19 °C	9.24	9.18	9.12	9.06	9.00	8.94	8.88	8.81	8.75	8.69	8.63	8.57	8.51	8.45	8.39
19.1 °C	9.22	9.16	9.10	9.04	8.98	8.92	8.86	8.80	8.73	8.67	8.61	8.55	8.49	8.43	8.37
19.2 °C	9.2	9.14	9.08	9.02	8.96	8.90	8.84	8.78	8.72	8.66	8.59	8.53	8.47	8.41	8.35
19.3 °C	9.19	9.13	9.07	9.01	8.95	8.89	8.83	8.77	8.71	8.65	8.59	8.52	8.46	8.40	8.34
19.4 °C	9.17	9.11	9.05	8.99	8.93	8.87	8.81	8.75	8.69	8.63	8.57	8.51	8.45	8.39	8.33
19.5 °C	9.15	9.09	9.03	8.97	8.91	8.85	8.79	8.73	8.67	8.61	8.55	8.49	8.43	8.37	8.31
19.6 °C	9.13	9.07	9.01	8.95	8.89	8.83	8.77	8.71	8.65	8.59	8.53	8.47	8.41	8.35	8.29
19.7 °C	9.11	9.05	8.99	8.93	8.87	8.81	8.75	8.69	8.63	8.57	8.51	8.45	8.39	8.33	8.27
19.8 °C	9.1	9.04	8.98	8.92	8.86	8.80	8.74	8.68	8.62	8.56	8.50	8.44	8.38	8.32	8.26
19.9 °C	9.08	9.02	8.96	8.90	8.84	8.78	8.72	8.66	8.60	8.54	8.48	8.42	8.36	8.30	8.24
20 °C	9.06	9.00	8.94	8.88	8.82	8.76	8.70	8.64	8.58	8.52	8.46	8.40	8.34	8.29	8.23
20.1 °C	9.04	8.98	8.92	8.86	8.80	8.74	8.68	8.62	8.56	8.50	8.45	8.39	8.33	8.27	8.21
20.2 °C	9.02	8.96	8.90	8.84	8.78	8.72	8.66	8.60	8.55	8.49	8.43	8.37	8.31	8.25	8.19
20.3 °C	9.01	8.95	8.89	8.83	8.77	8.71	8.65	8.60	8.54	8.48	8.42	8.36	8.30	8.24	8.18
20.4 °C	8.99	8.93	8.87	8.81	8.75	8.69	8.64	8.58	8.52	8.46	8.40	8.34	8.28	8.22	8.16
20.5 °C	8.97	8.91	8.85	8.79	8.73	8.67	8.62	8.56	8.50	8.44	8.38	8.32	8.26	8.20	8.14
20.6 °C	8.95	8.89	8.83	8.77	8.71	8.66	8.60	8.54	8.48	8.42	8.36	8.30	8.24	8.18	8.13
20.7 °C	8.93	8.87	8.81	8.75	8.70	8.64	8.58	8.52	8.46	8.40	8.34	8.28	8.23	8.17	8.11
20.8 °C	8.92	8.86	8.80	8.74	8.69	8.63	8.57	8.51	8.45	8.39	8.33	8.27	8.22	8.16	8.10
20.9 °C	8.9	8.84	8.78	8.72	8.67	8.61	8.55	8.49	8.43	8.37	8.31	8.26	8.20	8.14	8.08
21 °C	8.88	8.82	8.76	8.70	8.65	8.59	8.53	8.47	8.41	8.35	8.30	8.24	8.18	8.12	8.06
21.1 °C	8.86	8.80	8.74	8.69	8.63	8.57	8.51	8.45	8.39	8.34	8.28	8.22	8.16	8.10	8.04
21.2 °C	8.85	8.79	8.73	8.68	8.62	8.56	8.50	8.44	8.38	8.33	8.27	8.21	8.15	8.09	8.03
21.3 °C	8.83	8.77	8.71	8.66	8.60	8.54	8.48	8.42	8.37	8.31	8.25	8.19	8.13	8.07	8.02
21.4 °C	8.81	8.75	8.69	8.64	8.58	8.52	8.46	8.40	8.35	8.29	8.23	8.17	8.11	8.06	8.00
21.5 °C	8.8	8.74	8.68	8.63	8.57	8.51	8.45	8.39	8.34	8.28	8.22	8.16	8.11	8.05	7.99
21.6 °C	8.78	8.72	8.66	8.61	8.55	8.49	8.43	8.38	8.32	8.26	8.20	8.14	8.09	8.03	7.97
21.7 °C	8.76	8.70	8.64	8.59	8.53	8.47	8.41	8.36	8.30	8.24	8.18	8.13	8.07	8.01	7.95
21.8 °C	8.74	8.68	8.63	8.57	8.51	8.45	8.40	8.34	8.28	8.22	8.17	8.11	8.05	7.99	7.94
21.9 °C	8.73	8.67	8.62	8.56	8.50	8.44	8.39	8.33	8.27	8.21	8.16	8.10	8.04	7.98	7.93
22 °C	8.71	8.65	8.60	8.54	8.48	8.42	8.37	8.31	8.25	8.19	8.14	8.08	8.02	7.97	7.91
22.1 °C	8.69	8.63	8.58	8.52	8.46	8.40	8.35	8.29	8.23	8.18	8.12	8.06	8.00	7.95	7.89
22.2 °C	8.68	8.62	8.57	8.51	8.45	8.39	8.34	8.28	8.22	8.17	8.11	8.05	7.99	7.94	7.88
22.3 °C	8.66	8.60	8.55	8.49	8.43	8.38	8.32	8.26	8.20	8.15	8.09	8.03	7.98	7.92	7.86
22.4 °C	8.65	8.59	8.54	8.48	8.42	8.37	8.31	8.25	8.19	8.14	8.08	8.02	7.97	7.91	7.85
22.5 °C	8.63	8.57	8.52	8.46	8.40	8.35	8.29	8.23	8.18	8.12	8.06	8.01	7.95	7.89	7.84
22.6 °C	8.61	8.55	8.50	8.44	8.38	8.33	8.27	8.21	8.16	8.10	8.04	7.99	7.93	7.87	7.82
22.7 °C	8.6	8.54	8.49	8.43	8.37	8.32	8.26	8.20	8.15	8.09	8.03	7.98	7.92	7.86	7.81
22.8 °C	8.58	8.52	8.47	8.41	8.35	8.30	8.24	8.18	8.13	8.07	8.02	7.96	7.90	7.85	7.79
22.9 °C	8.57	8.51	8.46	8.40	8.34	8.29	8.23	8.18	8.12	8.06	8.01	7.95	7.89	7.84	7.78
23 °C	8.55	8.49	8.44	8.38	8.33	8.27	8.21	8.16	8.10	8.04	7.99	7.93	7.88	7.82	7.76
23.1 °C	8.53	8.47	8.42	8.36	8.31	8.25	8.19	8.14	8.08	8.02	7.97	7.91	7.86	7.80	7.74
23.2 °C	8.52	8.46	8.41	8.35	8.30	8.24	8.18	8.13	8.07	8.02	7.96	7.90	7.85	7.79	7.74
23.3 °C	8.5	8.44	8.39	8.33	8.28	8.22	8.16	8.11	8.05	8.00	7.94	7.88	7.83	7.77	7.72
23.4 °C	8.49	8.43	8.38	8.32	8.27	8.21	8.15	8.10	8.04	7.99	7.93	7.88	7.82	7.76	7.71
23.5 °C	8.47	8.41	8.36	8.30	8.25	8.19	8.14	8.08	8.02	7.97	7.91	7.86	7.80	7.75	7.69
23.6 °C	8.45	8.39	8.34	8.28	8.23	8.17	8.12	8.06	8.01	7.95	7.89	7.84	7.78	7.73	7.67
23.7 °C	8.44	8.38	8.33	8.27	8.22	8.16	8.11	8.05	8.00	7.94	7.88	7.83	7.77	7.72	7.66
23.8 °C	8.42	8.36	8.31	8.25	8.20	8.14	8.09	8.03	7.98	7.92	7.87	7.81	7.76	7.70	7.64
23.9 °C	8.41	8.35	8.30	8.24	8.19	8.13	8.08	8.02	7.97	7.91	7.86	7.80	7.75	7.69	7.64

## A few words about this chart:

If you are looking for a column of barometric pressure above 30.0 inches (760 mm) you won't find one....because if you need such a column, you are not calibrating correctly!!! 760 mm (29.92 inches) is standard pressure at sea level, and most sites in Wisconsin are typically at elevations between 600 and 1200 ft. Pressure DROPS 26 mm (1.03 inches) every 1000 feet above sea level. Therefore, typical pressures for most Wisconsin facilities would average around 29.00 inches (734 mm).

Similarly, if you need a temperature less than 17 or greater than 24 C, your laboratory needs better control over temperature. The BOD test requires laboratory conditions controlled to  $20 \pm 3$  C.