



Expected Ranges Chart

Blood Gas/ISE Analyzer	pH			pCO <sub>2</sub> mmHg			pO <sub>2</sub> mmHg			Na <sup>+</sup> mmol/L			K <sup>+</sup> mmol/L			Ca <sup>++</sup> mmol/L			Ca <sup>++</sup> mg/dL			Cl <sup>-</sup> mmol/L			Li <sup>+</sup> mmol/L			tCO <sub>2</sub> mmol/L				
	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max		
AADEE SA µGases	*7.209	*7.153	- *7.266	*78.6	*68.9	- *88.3	*128	*115	- *146																							
AADEE SA µISE																																
AADEE SA RUMI BG	*7.26	*7.20	- *7.31	*77.0	*67.3	- *86.7	*122	*108	- *140																							
Abbott i-Stat BG, E+	7.196	7.139	- 7.253	83.4	73.7	- 93.1	116	102	- 134	119	108	- 125	1.90	1.63	- 2.06	1.86	1.60	- 2.11	7.42	6.40	- 8.44	88	81	- 96								
Alere EPOC	7.196	7.139	- 7.253	83.4	73.7	- 93.1	116	102	- 134	119	108	- 125	1.90	1.63	- 2.06	1.86	1.60	- 2.11	7.42	6.40	- 8.44	88	81	- 96								
Carelum XI-921	7.56	7.49	- 7.67							119	108	- 125	2.10	1.82	- 2.26	2.18	1.91	- 2.45	8.74	7.64	- 9.80	78	71	- 85								
CMD CMDLyte										109	98	- 115	1.91	1.63	- 2.07	1.93	1.66	- 2.20	7.72	6.64	- 8.80	77	70	- 84	0.38	0.34	- 0.42					
CMD CMDLyte Plus										114	103	- 120	2.19	1.91	- 2.35	2.15	1.88	- 2.42	8.60	7.52	- 9.68	75	68	- 82	0.31	0.27	- 0.35					
Convergent ISE/BG	7.16	7.11	- 7.22	75.5	65.5	- 85.5	115	105	- 131	115	104	- 121	1.93	1.65	- 2.09	2.01	1.68	- 2.34	8.02	6.72	- 9.36	79	72	- 86	0.35	0.31	- 0.39					
Cormay CorLyte Analyzer										109	98	- 115	1.91	1.63	- 2.07	1.93	1.66	- 2.20	7.72	6.64	- 8.80	77	70	- 84	0.38	0.34	- 0.42					
Cornley AFT-400, 500 Series	7.04	6.98	- 7.09							116	105	- 122	2.11	1.84	- 2.26	2.54	2.28	- 2.80	10.16	9.12	- 11.20	75	67	- 82	0.38	0.34	- 0.42					
Diamond CARELYTE										117	106	- 123	2.04	1.76	- 2.20	1.80	1.51	- 2.09	7.20	6.04	- 8.36	84	77	- 91	0.39	0.35	- 0.43					
Diamond CARELYTE PLUS										119	108	- 125	2.18	1.90	- 2.34	2.07	1.78	- 2.36	8.28	7.12	- 9.44	84	77	- 91	0.39	0.35	- 0.43					
Diamond PROLYTE										110	99	- 116	1.98	1.70	- 2.30	*2.44	*2.17	- *2.71	*9.76	*8.68	- *10.84	74	67	- 81	0.41	0.37	- 0.45					
Diamond SMARTLYTE, GEMLYTE										109	98	- 115	1.91	1.63	- 2.07	1.93	1.66	- 2.20	7.72	6.64	- 8.80	77	70	- 84	0.38	0.34	- 0.42					
Diamond SMARTLYTE PLUS										114	103	- 120	2.19	1.91	- 2.35	2.15	1.88	- 2.42	8.60	7.52	- 9.68	75	68	- 82	0.31	0.27	- 0.35					
Diamond UNITY										111	100	- 117	1.76	1.48	- 1.92							71	64	- 78								
Erba Mannheim, EC 90										127	110	- 139	2.06	1.55	- 2.45	2.58	2.46	- 2.70	10.34	9.84	- 10.80	90	78	- 102								
Eschweiler Combiline	7.196	7.139	- 7.253	86.7	77.0	- 96.4	112	98	- 130	118	107	- 124	2.09	1.82	- 2.25	2.25	1.99	- 2.50	8.98	7.96	- 10.00	79	72	- 87	0.55	0.51	- 0.59					
Eschweiler Combisys II	7.199	7.142	- 7.256	81.7	72.0	- 91.4	114	100	- 132	118	107	- 124	2.09	1.82	- 2.25	2.25	1.99	- 2.50	8.98	7.96	- 10.00	81	74	- 89	0.55	0.51	- 0.59					
Eschweiler ECOLYTE										117	106	- 123	2.09	1.82	- 2.25	2.25	1.99	- 2.50	8.98	7.96	- 10.00	81	74	- 89	0.55	0.51	- 0.59					
Eschweiler ECOSYS II	7.201	7.144	- 7.258	81.7	72.0	- 91.4	114	100	- 132																							
Heigalyte Plus										114	103	- 120	2.19	1.91	- 2.35	2.15	1.88	- 2.42	8.60	7.52	- 9.68	75	68	- 82	0.31	0.27	- 0.35					
Horiba Yumizen E100										114	103	- 120	2.19	1.91	- 2.35	2.15	1.88	- 2.42	8.60	7.52	- 9.68	75	68	- 82	0.31	0.27	- 0.35					
IDEXX VetLyte										116	105	- 122	2.29	2.01	- 2.45							85	78	- 92								
IL 1600 Series	7.209	7.152	- 7.266	85.4	75.5	- 95.4	102	91	- 117	119	109	- 125	1.90	1.63	- 2.06	1.83	1.57	- 2.08	7.30	6.28	- 8.32	86	79	- 93								
IL BGE	7.196	7.139	- 7.253	83.4	73.7	- 93.1	104	92	- 119	118	108	- 124	1.80	1.54	- 1.95	1.85	1.59	- 2.10	7.38	6.36	- 8.40	86	79	- 93								
IL Gem Premier, 3000, 3500	7.180	7.123	- 7.237	75.5	66.5	- 85.5	126	115	- 143	115	104	- 121	1.89	1.62	- 2.05	1.99	1.73	- 2.25	7.96	6.92	- 9.00											
IL Gem Premier, 4000	7.179	7.122	- 7.236	71.5	62.5	- 81.5	123	112	- 140	113	102	- 119	2.03	1.75	- 2.19	2.01	1.75	- 2.27	8.02	7.00	- 9.08	80	73	- 87								
IL Gem Premier, 5000	7.120	7.063	- 7.177	63.9	54.9	- 73.9	119	108	- 136	113	102	- 119	1.82	1.54	- 1.98	2.18	1.92	- 2.44	8.72	7.68	- 9.76	79	72	- 86								
IL iLyte	7.195	7.138	- 7.252							120	109	- 126	2.05	1.77	- 2.22	2.30	1.97	- 2.62	9.18	7.88	- 10.48	82	76	- 89	0.35	0.32	- 0.38					
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.196	7.139	- 7.253	79.9	70.6	- 89.2	104	93	- 120	120	109	- 125	1.87	1.60	- 2.02	1.87	1.62	- 2.12	7.46	6.48	- 8.48	86	79	- 93								
Intherma S-Lyte										109	98	- 115	1.91	1.63	- 2.07	1.93	1.66	- 2.20	7.72	6.64	- 8.80	77	70	- 84	0.38	0.34	- 0.42					
ITC IRMA TRUpoint	7.19	7.14	- 7.25	83.3	73.6	- 93.0	111	98	- 128																							
Max Ion	7.09	7.03	- 7.14							116	105	- 122	2.11	1.84	- 2.26	2.54	2.28	- 2.80	10.16	9.12	- 11.20	75	67	- 82	0.38	0.34	- 0.42					
Medica EasyBloodGas	7.16	7.11	- 7.22	77.5	67.5	- 87.5	113	103	- 129																							
Medica EasyElectrolytes										120	109	- 126	2.05	1.76	- 2.22	2.30	1.97	- 2.62	9.18	7.88	- 10.48	80	73	- 86	0.34	0.31	- 0.37					
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li, Na/K/pH/Ca	7.195	7.138	- 7.252							115	104	- 121	2.06	1.77	- 2.23	2.30	1.97	- 2.62	9.18	7.88	- 10.48	79	72	- 86	0.35	0.32	- 0.38					
Medica EasyStat	7.16	7.11	- 7.22	75.5	65.5	- 85.5	115	105	- 131	115	104	- 121	1.93	1.65	- 2.09	2.01	1.68	- 2.34	8.02	6.72	- 9.36	77	70	- 84								
Medica ISE Module										122	111	- 128	2.15	1.86	- 2.32	2.30	1.97	- 2.62	9.18	7.88	- 10.48	83	76	- 89	0.36	0.33	- 0.39					
MH Lab-ISE										109	98	- 115	1.91	1.63	- 2.07	1.93	1.66	- 2.20	7.72	6.64	- 8.80	77	70	- 84	0.38	0.34	- 0.42					
MH Lab-ISE Plus										114	103	- 120	2.19	1.91	- 2.35	2.15	1.88	- 2.42	8.60	7.52	- 9.68	75	68	- 82	0.31	0.27	- 0.35					
Nova Electrolyte Systems	7.216	7.159	- 7.273							120	109	- 126	2.10	1.81	- 2.27	2.42	2.07	- 2.76	9.66	8.28	- 11.04	87	80	- 94	0.36	0.33	- 0.40	29.3	25.3	- 33.3		
Nova Stat Profile Systems	7.226	7.169	- 7.283	82.4	72.8	- 92.0	107</																									