

Mission Control™

Blood Gas and Electrolyte Control - Level 1

[illegible]

Expected Ranges Chart

	pH			pCO ₂ mmHg			pO ₂ mmHg			Na ⁺ mmol/L			K ⁺ mmol/L			Ca ⁺⁺ mmol/L			Ca ⁺⁺ mg/dL			Cl ⁻ mmol/L			Li ⁺ mmol/L			tCO ₂ mmol/L		
Blood Gas/iSE Analyzer	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	*7.173	*7.117	- *7.230	*81.5	*71.8	- *91.2	*84	*71	- *102																					
AADEE SA µISE										*121	*110	- *127	*2.19	*1.92	- *2.34	*2.04	*1.78	- *2.30	*8.16	*7.12	- *9.20	*79	*69	- *83						
AADEE SA RUMI BG	*7.22	*7.16	- *7.27	*79.9	*70.2	- *89.6	*78	*64	- *96																					
Abbott/ i-Stat BG, E+	7.160	7.103	- 7.217	86.3	76.6	- 96.0	72	59	- 90	119	108	- 125	1.88	1.61	- 2.03	1.86	1.60	- 2.12	7.45	6.40	- 8.48	90	83	- 97						
Aere EPOCH	7.160	7.103	- 7.217	86.3	76.6	- 96.0	72	59	- 90	119	108	- 125	1.88	1.61	- 2.03	1.86	1.60	- 2.12	7.45	6.40	- 8.48	90	83	- 97						
Careium XI-921	7.52	7.49	- 7.67							119	108	- 125	2.08	1.80	- 2.24	2.19	1.92	- 2.46	8.76	7.68	- 9.84	79	72	- 86						
CMD CMDLyte										111	100	- 117	1.81	1.53	- 1.97	2.21	1.94	- 2.48	8.84	7.76	- 9.92	79	72	- 86	0.40	0.36	- 0.44			
CMD CMDLyte Plus										114	103	- 120	2.11	1.83	- 2.27	2.22	1.95	- 2.49	8.88	7.80	- 9.96	77	70	- 84	0.34	0.30	- 0.38			
Convergent ISE/BG	7.13	7.07	- 7.18	78.4	68.4	- 88.4	72	61	- 87	115	104	- 121	1.91	1.63	- 2.07	2.01	1.68	- 2.34	8.05	6.72	- 9.36	81	74	- 88	0.32	0.28	- 0.36			
Cormay Corlyte Analyzer										111	100	- 117	1.81	1.53	- 1.97	2.21	1.94	- 2.48	8.84	7.76	- 9.92	79	72	- 86	0.40	0.36	- 0.44			
Corley AFT-400, 500 Series	7.00	6.94	- 7.06							116	105	- 122	2.09	1.81	- 2.24	2.55	2.29	- 2.80	10.18	9.16	- 11.20	76	69	- 84	0.35	0.31	- 0.39			
Diamond CARELYTE										120	109	- 126	1.93	1.65	- 2.09	2.17	1.88	- 2.46	8.68	7.52	- 9.84	87	80	- 94	0.34	0.30	- 0.38			
Diamond CARELYTE PLUS										120	109	- 126	2.15	1.87	- 2.31	2.00	1.71	- 2.29	8.00	6.84	- 9.16	85	78	- 92	0.38	0.34	- 0.42			
Diamond PROLYTE										110	99	- 116	1.96	1.68	- 2.28	*2.35	*2.08	- *2.62	*9.40	*8.32	- *10.48	77	70	- 84	0.33	0.29	- 0.37			
Diamond SMARTLYTE, GEMLYTE										111	100	- 117	1.81	1.53	- 1.97	2.21	1.94	- 2.48	8.84	7.76	- 9.92	79	72	- 86	0.40	0.36	- 0.44			
Diamond SMARTLYTE PLUS										114	103	- 120	2.11	1.83	- 2.27	2.22	1.95	- 2.49	8.88	7.80	- 9.96	77	70	- 84	0.34	0.30	- 0.38			
Diamond UNITY										112	101	- 118	1.83	1.55	- 1.99							77	70	- 84						
Erba Mannheim, EC 90										127	110	- 139	2.04	1.53	- 2.43	2.59	2.47	- 2.71	10.36	9.88	- 10.84	91	79	- 103						
Eschweiler Combine	7.160	7.103	- 7.217	89.6	79.9	- 99.3	68	55	- 86	118	107	- 124	2.07	1.80	- 2.22	2.25	1.99	- 2.51	9.01	7.96	- 10.04	81	74	- 88	0.53	0.49	- 0.57			
Eschweiler Combisys II	7.163	7.106	- 7.220	84.6	74.9	- 94.3	70	57	- 88	118	107	- 124	2.07	1.80	- 2.22	2.25	1.99	- 2.51	9.01	7.96	- 10.04	83	76	- 90	0.53	0.49	- 0.57			
Eschweiler ECOLYTE										117	106	- 123	2.07	1.80	- 2.22	2.25	1.99	- 2.51	9.01	7.96	- 10.04	83	76	- 90	0.53	0.49	- 0.57			
Eschweiler ECOSYS II	7.165	7.108	- 7.222	84.6	74.9	- 94.3	70	57	- 88																					
Heigalyte Plus										114	103	- 120	2.11	1.83	- 2.27	2.22	1.95	- 2.49	8.88	7.80	- 9.96	77	70	- 84	0.34	0.30	- 0.38			
Horiba Yumizen E100										114	103	- 120	2.11	1.83	- 2.27	2.22	1.95	- 2.49	8.88	7.80	- 9.96	77	70	- 84	0.34	0.30	- 0.38			
IDEXX VetLyte										116	105	- 122	2.27	1.99	- 2.43							87	80	- 94						
IL 1600 Series	7.173	7.116	- 7.230	88.3	78.3	- 98.2	58	47	- 73	119	108	- 125	1.88	1.61	- 2.03	1.83	1.58	- 2.09	7.33	6.32	- 8.36	87	80	- 94						
IL BGE	7.160	7.103	- 7.217	86.3	76.6	- 96.0	60	49	- 76	118	108	- 124	1.78	1.51	- 1.93	1.85	1.60	- 2.11	7.41	6.40	- 8.44	87	80	- 94						
IL Gem Premier, 3000, 3500	7.143	7.086	- 7.200	78.4	69.4	- 88.4	83	71	- 99	115	104	- 121	1.87	1.60	- 2.03	2.00	1.74	- 2.26	7.99	6.96	- 9.04									
IL Gem Premier, 4000	7.143	7.086	- 7.200	74.4	65.4	- 84.4	80	68	- 96	113	102	- 119	2.01	1.73	- 2.17	2.01	1.75	- 2.27	8.05	7.00	- 9.08	81	74	- 88						
IL Gem Premier, 5000	7.083	7.026	- 7.140	66.8	57.8	- 76.8	76	64	- 92	113	102	- 119	1.80	1.52	- 1.96	2.19	1.93	- 2.45	8.75	7.72	- 9.80	80	73	- 87						
IL iLyte	7.159	7.102	- 7.216							120	109	- 126	2.03	1.74	- 2.20	2.30	1.98	- 2.63	9.21	7.92	- 10.52	84	77	- 91	0.32	0.29	- 0.36			
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.160	7.103	- 7.217	82.8	73.5	- 92.1	60	49	- 76	119	109	- 125	1.85	1.58	- 2.00	1.87	1.62	- 2.12	7.49	6.48	- 8.48	88	81	- 95						
Intherma S-Lyte										111	100	- 117	1.81	1.53	- 1.97	2.21	1.94	- 2.48	8.84	7.76	- 9.92	79	72	- 86	0.40	0.36	- 0.44			
ITC IRMA TRUpoint	7.16	7.10	- 7.21	86.2	76.5	- 95.9	67	54	- 84																					
Max Ion	7.05	6.99	- 7.11							116	105	- 122	2.09	1.81	- 2.24	2.55	2.29	- 2.80	10.18	9.16	- 11.20	76	69	- 84	0.35	0.31	- 0.39			
Medica EasyBloodGas	7.13	7.07	- 7.18	80.4	70.4	- 90.4	70	59	- 85																					
Medica EasyElectrolytes										120	109	- 126	2.03	1.74	- 2.20	2.30	1.98	- 2.63	9.21	7.92	- 10.52	81	75	- 88	0.31	0.28	- 0.35			
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li, Na/K/pH/Ca	7.159	7.102	- 7.216							115	104	- 121	2.04	1.75	- 2.20	2.30	1.98	- 2.63	9.21	7.92	- 10.52	81	74	- 88	0.32	0.29	- 0.36			
Medica EasyStat	7.13	7.07	- 7.18	78.4	68.4	- 88.4	72	61	- 87	115	104	- 121	1.91	1.63	- 2.07	2.01	1.68	- 2.34	8.05	6.72	- 9.36	78	71	- 85						
Medica ISE Module										122	111	- 128	2.13	1.84	- 2.30	2.30	1.98	- 2.63	9.21	7.92	- 10.52	84	78	- 91	0.33	0.30	- 0.37			
MH Lab-ISE										111	100	- 117	1.81	1.53	- 1.97	2.21	1.94	- 2.48	8.84	7.76	- 9.92	79	72	- 86	0.40	0.36	- 0.44			
MH Lab-ISE Plus										114	103	- 120	2.11	1.83	- 2.27	2.22	1.95	- 2.49	8.88	7.80	- 9.96	77	70	- 84	0.34	0.30	- 0.38			
Nova Electrolyte Systems	7.180	7.123	- 7.237							120	109	- 126	2.08	1.79	- 2.25	2.42	2.08	- 2.76	9.69	8.32	- 11.04	89	82	- 96	0.34	0.30	- 0.37	28.6	24.6	- 32.6
Nova Stat Profile Systems	7.190	7.133	- 7.247	85.3	75.7	- 94.9	63	51	- 79	119	108	- 125	1.98	1.70	- 2.14	1.88	1.62	- 2.14	7.53	6.48	- 8.56	84	77	- 91						
Nova pHox Series	7.197	7.140	- 7.254	86.2	76.5	- 95.9	69	56	- 86	119	108	- 125	1.98	1.70	- 2.14	1.88	1.62	- 2.14	7.53	6.48	- 8.56	84	77	- 91						
OptiMedical Opti 1	7.18	7.12	- 7.23	86.2	76.5	- 95.9	69	56	- 86																					
OptiMedical Opti CCA	7.18	7.12	- 7.23	86.2	76.5	- 95.9	86	72	- 103	115	104	- 121	1.76	1.49	- 1.91	1.87	1.61	- 2.13	7.49	6.44	- 8.52	79	73	- 86						
OptiMedical LION	7.14	7.07	- 7.20							103	95	- 106	1.38	1.21	- 1.43	1.86	1.60	- 2.13	7.45	6.40	- 8.52	82	75	- 90						
OptiMedical R	7.18	7.12	- 7.23	87.2	77.1	- 97.2	79	66	- 97	112	101	- 118	1.28	1.01	- 1.43	1.82	1.56	- 2.09	7.29	6.24	- 8.36									
Radiometer ABL 5	7.17	7.11	- 7.23	78.9	70.9	- 86.9	62	50	- 79																					
Radiometer ABL 50, 500, 505, 510, 520	7.202	7.145	- 7.259	82.7	73.7	- 91.7	78	65	- 95	119	108	- 124	1.76	1.49	- 1.92	2.02	1.74	- 2.31	8.09	6.96	- 9.24									
Radiometer ABL 555	7.169	7.112	- 7.226	76.8	67.8	- 85.8	77	64	- 94	119	108	- 125	1.88	1.60	- 2.04	2.03	1.74	- 2.31	8.13	6.96	- 9.24									
Radiometer ABL 70, 77	7.193	7.136	- 7.250	88.8	78.7	- 98.8	59	48	- 75	121	110	- 127	1.96	1.68	- 2.12	2.17	1.87	- 2.48	8.69											

* For Select Customers, not available in the United States.