

Mission Control™
Blood Gas and Electrolyte Control - Level 1

LOT

2009118

2023/08

Expected Ranges Chart

	pH			pCO ₂ mmHg			pO ₂ mmHg			Na ⁺ mmol/L			K ⁺ mmol/L			Ca ⁺⁺ mg/dL			Ca ⁺⁺ mmol/L			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			
AADEE SA µGases	*7.070	7.013	- 7.127	*78.4	*68.7	- *88.1	*99.4	*86.1	- *117.4	*121	*110	- *127	*2.23	*1.96	- *2.38	*2.03	*1.77	- *2.29	*8.12	*7.08	- *9.16	*77	*70	- *84						
AADEE SA µSE																														
AADEE SA RUMI BG	*7.10	7.05	- *7.16	*76.7	*67.0	- *86.4	*92.7	*79.1	- *110.6																					
Abbott's i-Stat BG, E+	7.077	7.020	- 7.133	83.2	73.5	- 92.9	87.3	73.8	- 105	118	107	- 124	1.90	1.63	- 2.05	1.87	1.61	- 2.13	7.49	6.44	- 8.52	91	83	- 98						
Alere EPOC	7.077	7.020	- 7.133	83.2	73.5	- 92.9	87.3	73.8	- 105	118	107	- 124	1.90	1.63	- 2.05	1.87	1.61	- 2.13	7.49	6.44	- 8.52	91	83	- 98						
Convergent ISE/BG	7.06	7.00	- 7.12	75.3	65.3	- 85.3	87.0	76.0	- 102	115	104	- 121	1.93	1.65	- 2.09	2.02	1.69	- 2.35	8.09	6.76	- 9.40	81	74	- 88	0.29	0.25	- 0.33			
Cormay Corlyte Analyzer																														
Cornley AFT-400, 500 Series	6.94	6.88	- 6.99							116	105	- 122	2.11	1.83	- 2.26	2.55	2.30	- 2.81	10.22	9.20	- 11.24	77	70	- 84	0.32	0.28	- 0.36			
Diamond CARELYTE										117	105	- 123	1.97	1.69	- 2.13	2.09	1.80	- 2.38	8.36	7.20	- 9.52	83	76	- 90	0.29	0.25	- 0.33			
Diamond CARELYTE PLUS										118	107	- 124	2.19	1.91	- 2.35	2.16	1.87	- 2.45	8.64	7.48	- 9.80	84	77	- 91	0.34	0.30	- 0.38			
Diamond PROLYTE										113	102	- 119	1.83	1.55	- 2.15	*2.31	*1.98	- *2.56	*9.22	*7.92	- *10.24	79	72	- 86	0.30	0.26	- 0.34			
Diamond SMARTLYTE, GEMLYTE										109	98	- 115	1.80	1.52	- 1.96	2.13	1.86	- 2.40	8.52	7.44	- 9.60	75	68	- 82	0.22	0.18	- 0.26			
Diamond SMARTLYTE PLUS										109	98	- 115	2.14	1.86	- 2.30	2.24	1.97	- 2.51	8.96	7.88	- 10.04	76	69	- 83	0.25	0.21	- 0.29			
Diamond UNITY										110	99	- 116	1.80	1.52	- 1.96								72	65	- 79					
Eschweiler Combiline	7.077	7.020	- 7.133	86.5	76.8	- 96.2	83.4	69.9	- 101	118	107	- 124	2.09	1.82	- 2.24	2.26	2.00	- 2.52	9.05	8.00	- 10.08	82	74	- 89	0.50	0.46	- 0.54			
Eschweiler Combisys II	7.080	7.023	- 7.136	81.5	71.8	- 91.2	85.4	71.9	- 103	118	107	- 124	2.09	1.82	- 2.24	2.26	2.00	- 2.52	9.05	8.00	- 10.08	84	76	- 91	0.50	0.46	- 0.54			
Eschweiler ECOLYTE										117	106	- 123	2.09	1.82	- 2.24	2.26	2.00	- 2.52	9.05	8.00	- 10.08	84	76	- 91	0.50	0.46	- 0.54			
Eschweiler ECOSYS II	7.082	7.025	- 7.138	81.5	71.8	- 91.2	85.4	71.9	- 103				113	102	- 119	1.96	1.68	- 2.12	2.00	1.73	- 2.27	8.01	6.92	- 9.08						
Fresenius Ionometer										109	98	- 115	2.14	1.86	- 2.30	2.24	1.97	- 2.51	8.96	7.88	- 10.04	76	69	- 83	0.25	0.21	- 0.29			
Horiba Yumizen E100										115	104	- 121	2.29	2.01	- 2.45								87	79	- 95					
IDEXX VetLyte										119	108	- 125	1.90	1.63	- 2.05	1.84	1.59	- 2.10	7.37	6.36	- 8.40	88	81	- 95						
IL 1600 Series	7.077	7.020	- 7.133	85.2	75.3	- 95.2	73.3	62.3	- 88.7	119	108	- 125	1.90	1.63	- 2.05	1.84	1.59	- 2.10												
IL BGE	7.077	7.020	- 7.133	83.2	73.5	- 92.9	75.3	63.9	- 91.1	118	107	- 124	1.80	1.53	- 1.95	1.86	1.60	- 2.12	7.45	6.40	- 8.48	88	81	- 95						
IL Gem Premier, 3000	7.070	7.013	- 7.127	75.3	66.3	- 85.3	91.0	79.0	- 107	115	104	- 121	1.90	1.63	- 2.05	2.00	1.74	- 2.26	8.01	6.96	- 9.04									
IL Gem Premier, 4000	7.060	7.003	- 7.117	71.3	62.3	- 81.3	95.0	83.0	- 111	113	102	- 119	2.03	1.75	- 2.19	2.02	1.76	- 2.28	8.09	7.04	- 9.12	82	75	- 89						
IL iLyte	7.076	7.019	- 7.132							119	108	- 125	2.05	1.76	- 2.22	2.31	1.99	- 2.64	9.25	7.96	- 10.56	85	78	- 91	0.29	0.26	- 0.33			
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.077	7.020	- 7.133	79.7	70.4	- 89.0	75.4	64.0	- 91.2	119	108	- 125	1.87	1.60	- 2.02	1.88	1.63	- 2.13	7.53	6.52	- 8.52	88	81	- 95						
InSight Electrolyte Analyzer										109	98	- 115	1.80	1.52	- 1.96	2.13	1.86	- 2.40	8.52	7.44	- 9.60	75	69	- 81	0.22	0.18	- 0.26			
Intherma S-Lyte										109	98	- 115	1.80	1.52	- 1.96	2.13	1.86	- 2.40	8.52	7.44	- 9.60	75	69	- 81	0.22	0.18	- 0.26			
ITC IRMA TRUpoint	7.09	7.03	- 7.15	83.1	73.4	- 92.8	82.2	69.6	- 99				116	105	- 122	2.11	1.83	- 2.26	2.55	2.30	- 2.81	10.22	9.20	- 11.24	77	70	- 84	0.32	0.28	- 0.36
Max Ion	6.99	6.93	- 7.04																											
Medica EasyBloodGas	7.06	7.01	- 7.12	77.3	67.3	- 87.3	85.0	74.0	- 100																					
Medica EasyElectrolytes																														
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li, Na/K/pH/Ca	7.076	7.019	- 7.132																											
Medica EasyStat	7.06	7.00	- 7.12	75.3	65.3	- 85.3	87.0	76.0	- 102	115	104	- 121	1.93	1.65	- 2.09	2.02	1.69	- 2.35	8.09	6.76	- 9.40	79	72	- 86	0.08	0.08	- 0.08			
Medica ISE Module																														
MH Lab-ISE																														
Nova Electrolyte Systems	7.097	7.039	- 7.154																											
Nova Stat Profile Systems	7.107	7.049	- 7.164	82.2	72.6	- 91.8	78.3	66.4	- 94.6	118	107	- 124	2.05	1.76	- 2.22	2.31	1.99	- 2.64	9.25	7.96	- 10.56	82	75	- 88	0.28	0.25	- 0.32			
Nova pHox Series	7.114	7.056	- 7.171	83.1	73.4	- 92.8	84.2	71.2	- 102	118	107	- 124	2.00	1.72	- 2.16	1.89	1.63	- 2.15	7.57	6.52	- 8.60	85	78	- 91						
OptiMedical Opti 1	7.11	7.05	- 7.17	83.1	73.4	- 92.8	84.2	71.2	- 102				115	104	- 120	1.78	1.51	- 1.93	1.88	1.62	- 2.14	7.53	6.48	- 8.56	80	74	- 86			
OptiMedical Opti CCA	7.11	7.05	- 7.17	83.1	73.4	- 92.8	100.9	87.3	- 119				103	95	- 105	1.40	1.23	- 1.45	1.87	1.61	- 2.14	7.49	6.44	- 8.56	83	76	- 90			
OptiMedical LION	7.07	7.00	- 7.14																											
OptiMedical R	7.11	7.05	- 7.17	84.1	74.1	- 94.2	94.3	81.1	- 112	112	101	- 117	1.30	1.03	- 1.45	1.83	1.57	- 2.10	7.33	6.28	- 8.40									
PT Diatron DPLyte										109	98	- 115	1.80	1.52	- 1.96	2.13	1.86	- 2.40	8.52	7.44	- 9.60	75	69	- 81	0.22	0.18	- 0.26			
Radiometer ABL 5	7.11	7.05	- 7.17	75.8	67.8	- 83.8	77.6	65.6	- 93.9				118	107	- 124	1.78	1.51	- 1.93	2.03	1.75	- 2.31	8.13	7.00	- 9.24						
Radiometer ABL 50, 500, 505, 510, 520	7.068	7.011	- 7.125	79.6	70.6	- 88.6	93.3	80.3	- 111				118	107	- 124	1.90	1.62	- 2.06	2.04	1.75	- 2.32	8.17	7.00	- 9.28						
Radiometer ABL 555	7.086	7.029	- 7.143</																											