



**Mission Control™**  
**Blood Gas and Electrolyte Control - Level 2**

LOT

2008127



2023/07

Expected Ranges Chart

	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		
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	*7.376	*7.317	- *7.435	*46.3	*40.4	- *52.2	*131	*113	- *148	*146	*139	- *152	*4.47	*4.14	- *4.81	*1.20	*1.04	- *1.37	*4.80	*4.16	- *5.48	*97	*89	- *105						
AADEE SA iuse																														
AADEE SA RUMI BG	*7.38	*7.32	- *7.44	*42.2	*36.3	- *48.1	*121	*103	- *138	136	129	- 143	4.04	3.70	- 4.38	1.09	0.92	- 1.26	4.36	3.68	- 5.04	97	89	- 105	1.16	1.03	- 1.29			
Corray Corlyte Analyzer																														
Comley AFT-400, 500 Series	7.23	7.17	- 7.29																											
Diamond CARELYTE																														
Diamond CARELYTE PLUS																														
Diamond PROLYTE																														
Diamond SMARTLYTE, GEMLYTE																														
Diamond SMARTLYTE PLUS																														
Diamond UNITY																														
Eschweiler Combiline	7.375	7.316	- 7.433	36.1	30.2	- 42.0	144	126	- 162	147	140	- 154	4.49	4.15	- 4.82	1.12	0.96	- 1.28	4.47	3.84	- 5.12	106	98	- 114	1.22	1.09	- 1.36			
Eschweiler Combsys II	7.375	7.316	- 7.433	32.8	26.9	- 38.7	145	127	- 162	147	140	- 154	4.49	4.15	- 4.82	1.12	0.96	- 1.28	4.47	3.84	- 5.12	106	98	- 114	1.22	1.09	- 1.36			
Eschweiler ECOLYTE																														
Eschweiler ECOSYS II	7.375	7.316	- 7.433	32.8	26.9	- 38.7	145	127	- 162	141	134	- 148	4.18	3.84	- 4.52	1.04	0.87	- 1.21	4.15	3.48	- 4.84	96	88	- 104	1.18	1.05	- 1.31			
Fresenius Ionometer																														
Honba Yumizen E100																														
IDEXX VelLyte																														
IL 1610, 1620	7.352	7.293	- 7.410	47.8	41.9	- 53.7	116	98	- 133	148	141	- 155	4.56	4.22	- 4.90	1.06	0.90	- 1.23	4.25	3.60	- 4.92	102	94	- 110						
IL 1630, 1640, 1650	7.352	7.293	- 7.410	47.8	41.9	- 53.7	114	97	- 131	143	136	- 150	4.04	3.73	- 4.35	1.06	0.90	- 1.23	4.25	3.60	- 4.92	102	94	- 110						
IL BGE	7.352	7.293	- 7.410	47.8	41.9	- 53.7	114	97	- 131	141	135	- 148	4.04	3.73	- 4.35	1.06	0.90	- 1.23	4.25	3.60	- 4.92	102	94	- 110						
IL Gem Premier, 3000	7.425	7.366	- 7.484	41.5	35.5	- 47.5	135	117	- 153	145	138	- 152	4.15	3.84	- 4.47	1.13	0.96	- 1.30	4.51	3.84	- 5.20									
IL Gem Premier, 4000	7.415	7.356	- 7.474	41.5	35.5	- 47.5	139	121	- 157	141	134	- 148	4.55	4.24	- 4.87	1.16	0.99	- 1.33	4.63	3.96	- 5.32	101	93	- 110						
IL iLyte	7.384	7.325	- 7.443																											
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.352	7.293	- 7.410	43.8	38.3	- 49.2	121	102	- 139	136	129	- 143	4.04	3.70	- 4.38	1.09	0.92	- 1.26	4.36	3.68	- 5.04	97	89	- 105	1.16	1.03	- 1.29			
InSight Electrolyte Analyzer																														
Intherma S-Lyte																														
ITC IRMA TRUpoint	7.38	7.32	- 7.43	47.4	41.5	- 53.3	124	105	- 143	141	134	- 148	4.37	4.04	- 4.70	1.12	0.96	- 1.28	4.29	3.96	- 5.32	98	89	- 107	1.09	0.96	- 1.23			
Max Ion	7.23	7.17	- 7.28	44.5	38.5	- 50.5	138	120	- 156																					
Medica EasyBloodGas	7.40	7.34	- 7.46																											
Medica Easy-Electrolytes																														
Medica Na/K/Ci, Na/K/Li, Na/K/C/Li, Na/K/pH/Ca	7.384	7.325	- 7.443																											
Medica EasyStat	7.40	7.34	- 7.46	44.5	38.5	- 50.5	142	124	- 160	143	136	- 150	4.05	3.75	- 4.35	0.99	0.83	- 1.14	3.95	3.32	- 4.56	97	89	- 105	1.40	1.27	- 1.53			
Medica ISE Module																														
MH Lab-iSE																														
Nova Electrolyte Systems	7.362	7.303	- 7.411																											
Nova Stat Profile Systems	7.362	7.303	- 7.411	47.8	41.9	- 53.7	111	94	- 127	144	137	- 151	4.34	4.01	- 4.67	1.02	0.86	- 1.18	4.09	3.44	- 4.72	102	94	- 110						
Nova pHox Series	7.410	7.385	- 7.435	38.4	33.3	- 43.4	131	125	- 137	142	138	- 146	4.37	4.12	- 4.62	1.05	0.97	- 1.13	4.21	3.88	- 4.52	94	90	- 99						
OptiMedical Opti 1	7.42	7.36	- 7.48	46.3	40.6	- 52.1	117	99	- 134																					
OptiMedical Opti CCA	7.42	7.36	- 7.48	47.3	41.5	- 53.2	115	98	- 132	147	140	- 154	4.38	4.04	- 4.72	0.97	0.82	- 1.13	3.89	3.28	- 4.52	106	97	- 114						
OptiMedical LION	7.38	7.31	- 7.45																											
OptiMedical R	7.41	7.35	- 7.47	49.3	43.5	- 55.2	124	107	- 141	148	141	- 155	4.48	4.14	- 4.82	1.01	0.86	- 1.17	4.05	3.44	- 4.68	97	89	- 105	1.16	1.03	- 1.29			
PT Diator DPLyte																														
Radiometer ABL 5	7.37	7.31	- 7.43	40.5	34.5	- 46.5	120	103	- 137	142	136	- 149	4.23	3.89	- 4.57	1.06	0.90	- 1.23	4.25	3.60	- 4.92									
Radiometer ABL 50, 500, 505, 510, 520	7.366	7.307	- 7.425	41.1	36.1	- 46.1	141	122	- 160	147	140	- 154	4.22	3.90	- 4.55	1.06	0.90	- 1.23	4.25	3.60	- 4.92									
Radiometer ABL 555	7.363	7.304	- 7.422	41.5	35.5	- 47.5	139	121	- 157	145	139	- 152	4.33	3.99	- 4.66	1.03	0.88	- 1.19	4.13	3.52	- 4.76	98	90	- 106						
Radiometer ABL 70, 77	7.367	7.308	- 7.426	46.7	41.0	- 52.5	114	97	- 131	145	139	- 152	4.33	3.99	- 4.66	1.03	0.88	- 1.19	4.13	3.52	- 4.76									
Radiometer ABL 600, 610, 620, EML-100	7.352	7.293	- 7.411	45.5	39.8	- 51.1	118	100	- 135	144	137	- 150	4.35	4.03	- 4.67	1.18	1.02	- 1.36	4.72	4.08	- 5.44	96	88	- 104						
Radiometer ABL 705, 710, 715, 720, 725, 727, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 79																														