



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	*7.386	*7.327	- *7.445	*44.5	*38.6	- *50.4	*141	*123	- *159	*144	*137	- *151	*4.43	*4.10	- *4.77	*1.32	*1.14	- *1.50	*5.28	*4.56	- *6.00	*97	*89	- *105						
AADEE SA use																														
AADEE SA RUMI BG	*7.39	*7.33	- *7.45	*40.4	*34.5	- *46.3	*131	*113	- *149																					
Caretium XI-921	8.06	7.97	- 8.15							141	134	- 148	4.53	4.19	- 4.87	1.21	1.04	- 1.38	4.84	4.16	- 5.52	97	89	- 105						
CMD CMDLyte										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.39	4.88	4.20	- 5.56	96	88	- 104	1.04	0.91	- 1.17			
CMD CMDLyte Plus										131	124	- 138	4.40	4.06	- 4.74	1.39	1.22	- 1.56	5.56	4.88	- 6.24	96	88	- 104	1.07	0.94	- 1.20			
Cormay CorLyte Analyzer										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.39	4.88	4.20	- 5.56	96	88	- 104	1.04	0.91	- 1.17			
Comley AFT-400, 500 Series	7.24	7.18	- 7.30							138	131	- 145	4.33	4.00	- 4.66	1.24	1.08	- 1.41	4.98	4.32	- 5.64	99	90	- 107	0.90	0.76	- 1.03			
Diamond CARELYTE										136	129	- 143	4.34	4.00	- 4.68	1.18	1.01	- 1.35	4.72	4.04	- 5.40	103	94	- 111	1.04	0.91	- 1.17			
Diamond CARELYTE PLUS										140	133	- 147	4.36	4.02	- 4.70	1.13	0.96	- 1.30	4.52	3.84	- 5.20	102	93	- 110	1.03	0.90	- 1.16			
Diamond PROLYTE										135	127	- 142	4.40	3.96	- 4.84	*1.31	*1.05	- *1.39	*5.24	*4.20	- *5.56	97	89	- 105	1.10	0.97	- 1.23			
Diamond SMARTLYTE, GEMLYTE										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.39	4.88	4.20	- 5.56	96	88	- 104	1.04	0.91	- 1.17			
Diamond SMARTLYTE PLUS										131	124	- 138	4.40	4.06	- 4.74	1.39	1.22	- 1.56	5.56	4.88	- 6.24	96	88	- 104	1.07	0.94	- 1.20			
Diamond UNITY										134	127	- 141	4.27	3.93	- 4.61							95	87	- 103						
Erba Mannheim, EC 90										153	138	- 168	4.56	4.17	- 4.95	1.22	1.10	- 1.34	4.88	4.40	- 5.36	113	101	- 125						
Eschweiler Comline	7.385	7.326	- 7.444	34.3	28.4	- 40.2	154	136	- 172	145	138	- 152	4.44	4.11	- 4.78	1.24	1.08	- 1.40	4.95	4.32	- 5.60	107	98	- 115	1.03	0.89	- 1.16			
Eschweiler Combisys II	7.385	7.326	- 7.444	31.0	25.1	- 36.9	155	137	- 173	145	138	- 152	4.44	4.11	- 4.78	1.24	1.08	- 1.40	4.95	4.32	- 5.60	107	98	- 115	1.03	0.89	- 1.16			
Eschweiler ECOLYTE										143	136	- 150	4.44	4.11	- 4.78	1.24	1.08	- 1.40	4.95	4.32	- 5.60	107	98	- 115	1.03	0.89	- 1.16			
Eschweiler ECOSYS II	7.385	7.326	- 7.444	31.0	25.1	- 36.9	155	137	- 173																					
Fresenius Ionometer										139	132	- 146	4.14	3.80	- 4.48	1.16	0.99	- 1.33	4.64	3.96	- 5.32									
Horiba Yumizen E100										131	124	- 138	4.40	4.06	- 4.74	1.39	1.22	- 1.56	5.56	4.88	- 6.24	96	88	- 104	1.07	0.94	- 1.20			
IDEXX VetLyte										146	139	- 153	4.52	4.18	- 4.86							104	95	- 112						
IL 1610, 1620	7.362	7.303	- 7.420	46.0	40.1	- 51.9	126	109	- 143																					
IL 1630, 1640, 1650	7.362	7.303	- 7.420	46.0	40.1	- 51.9	125	107	- 142																					
IL BGE	7.362	7.303	- 7.420	46.0	40.1	- 51.9	124	107	- 141	139	132	- 145	4.00	3.69	- 4.31	1.18	1.02	- 1.35	4.74	4.08	- 5.40	102	94	- 111						
IL Gem Premier, 3000	7.435	7.376	- 7.494	39.7	33.7	- 45.7	145	127	- 163	143	136	- 149	4.10	3.79	- 4.42	1.25	1.08	- 1.42	4.99	4.32	- 5.68									
IL Gem Premier, 4000	7.425	7.366	- 7.484	39.7	33.7	- 45.7	149	131	- 167	139	132	- 146	4.50	4.19	- 4.82	1.28	1.11	- 1.45	5.11	4.44	- 5.80	102	94	- 111						
IL ILyte	7.394	7.335	- 7.453							143	136	- 150	4.32	3.98	- 4.65	1.29	1.11	- 1.48	5.18	4.44	- 5.92	102	94	- 110	1.17	1.03	- 1.30			
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.362	7.303	- 7.420	42.0	36.5	- 47.4	131	113	- 149	141	134	- 147	3.96	3.65	- 4.26	1.18	1.02	- 1.35	4.74	4.08	- 5.40	103	95	- 111						
InSight Electrolyte Analyzer										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.39	4.88	4.20	- 5.56	96	88	- 104	1.04	0.91	- 1.17			
Intherma S-Lyte										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.39	4.88	4.20	- 5.56	96	88	- 104	1.04	0.91	- 1.17			
ITC IRMA TRUpoint	7.39	7.33	- 7.44	45.6	39.7	- 51.5	134	115	- 153																					
Max Ion	7.24	7.18	- 7.30							139	132	- 145	4.33	3.99	- 4.66	1.24	1.08	- 1.40	4.29	3.96	- 5.32	99	90	- 107	0.90	0.76	- 1.03			
Medica EasyBloodGas	7.41	7.35	- 7.47	42.7	36.7	- 48.7	148	130	- 166																					
Medica EasyElectrolytes										145	138	- 152	4.32	3.98	- 4.65							103	95	- 111	1.16	1.02	- 1.29			
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li, Na/K/pH/Ca	7.394	7.335	- 7.453							140	133	- 147	4.16	3.82	- 4.49	1.32	1.14	- 1.50	5.28	4.56	- 6.00	100	91	- 108	1.17	1.03	- 1.30			
Medica EasyStat	7.41	7.35	- 7.47	42.7	36.7	- 48.7	152	134	- 170	141	134	- 148	4.00	3.70	- 4.30	1.11	0.95	- 1.26	4.43	3.80	- 5.04	98	90	- 106	1.21	1.08	- 1.34			
Medica ISE Module										146	139	- 153	4.32	3.98	- 4.65							105	97	- 113	1.16	1.02	- 1.29			
MH Lab-ISE										129	122	- 136	4.06	3.72	- 4.40	1.22	1.05	- 1.38	4.88	4.20	- 5.52	96	88	- 104	1.04	0.91	- 1.17			
MH Lab-ISE Plus										131	124	- 138	4.40	4.06	- 4.74	1.39	1.22	- 1.56	5.56	4.88	- 6.24	96	88	- 104	1.07	0.94	- 1.20			
Nova Electrolyte Systems	7.372	7.313	- 7.422							143	136	- 149	4.30	3.96	- 4.63	1.14	0.99	- 1.30	4.58	3.96	- 5.20	103	94	- 111	1.14	1.00	- 1.27	43	39	- 47
Nova Stat Profile Systems	7.372	7.313	- 7.422	46.0	40.1	- 51.9	121	104	- 137	142	135	- 148	4.30	3.96	- 4.63	1.14	0.99	- 1.30	4.58	3.96	- 5.20	102	94	- 111						
Nova pHox Series	7.420	7.395	- 7.445	36.6	31.5	- 41.6	141	135	- 147	139	135	- 143	4.33	4.08	- 4.58	1.17	1.09	- 1.25	4.70	4.36	- 5.00	94	90	- 99						
OptiMedical Opti 1	7.43	7.37	- 7.49	44.5	38.8	- 50.3	127	109	- 145																					
OptiMedical Opti CCA	7.43	7.37	- 7.49	45.5	39.7	- 51.4	125	108	- 142	145	138	- 151	4.34	4.00	- 4.67	1.09	0.94	- 1.25	4.38	3.76	- 5.00	106	97	- 114						
OptiMedical LiON	7.39	7.32	- 7.46							138	135	- 140	4.34	4.00	- 4.67	1.09	0.94	- 1.25	4.38	3.76	- 5.00	106	94	- 117						
OptiMedical R																														