

**MISSION CONTROL™**  
**Blood Gas and Electrolyte Control**

Level 3

PN: DD-92003D

LOT: MC-1012

Exp: 2010/09

Expected Ranges Chart

Blood Gas/ISE Analyzers	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			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
<b>AVL Scientific</b>																											
945, 947	7.603	7.573	7.633	21	18	24	148	136	160																		
990, 995	7.656	7.573	7.633	21	18	24	144	133	155																		
<b>Roche Cobas MIRA ISE</b>																											
Compact Series																											
982, 983, 985	7.613	7.571	7.643	21	18	24	141	133	149																		
986																											
984, 987	7.623	7.593	7.653				162	157	167	7.1	6.6	7.6				119	114	124	2.08	1.90	2.30						
OMNI	7.613	7.583	7.643	21	18	25	134	123	144	160	155	165	7.0	6.5	7.5	0.66	0.51	0.81	0.59	0.49	0.69	120	115	125			
9110, 9140	7.623	7.593	7.653				162	157	167	7.1	6.6	7.6				119	114	124									
9120, 9130																											
9180, 9181																											
<b>Ciba-Corning/Bayer</b>																											
238	7.633	7.603	7.663	21	17	25	128	120	136																		
248	7.633	7.603	7.663	21	17	25	129	121	137																		
348	7.624	7.594	7.654	23	20	26	124	116	132	163	158	168	7.0	6.5	7.5	0.54	0.44	0.64	122	117	127						
278	7.643	7.613	7.673	21	18	24	139	131	147																		
280	7.643	7.613	7.673	21	18	24	139	131	147																		
288	7.643	7.613	7.673	20	17	24	140	132	148	162	157	167	7.0	6.5	7.5	0.54	0.44	0.64	117	112	122						
664																											
614, 644																											
634	7.64	7.61	7.67				162	157	167	6.8	6.3	7.3				118	113	123									
654																											
800 Series*	7.663	7.633	7.693	21	17	25	135	127	143	162	157	167	6.9	6.4	7.4	0.51	0.36	0.66	118	113	123						
Rapid 400, 405	7.663	7.633	7.693	21	17	25	135	127	143	162	157	167	6.9	6.4	7.4	0.51	0.36	0.66	118	113	123						
<b>Diamond</b>																											
Gemlyte																											
proLYTE																											
<b>IL</b>																											
1304, 1306, 1312	7.613	7.583	7.643	22	19	26	137	128	145																		
BG3	7.623	7.593	7.653	21	18	24	137	128	145																		
BGE	7.633	7.603	7.663	22	19	25	136	128	143	159	154	164	6.6	6.1	7.1	0.60	0.50	0.70	114	109	119						
1610, 1620	7.633	7.603	7.663	20	17	24	137	126	146																		
1630, 1640, 1650	7.633	7.603	7.663	20	17	23	135	126	143	159	154	164	6.6	6.1	7.1	0.59	0.49	0.69	114	109	119						
Synthesis 10, 15, 20, 25	7.613	7.583	7.643	22	19	26	137	129	146	159	154	164	6.7	6.2	7.2	0.59	0.49	0.69	114	109	119						
Gem Premier	7.633	7.603	7.663	20	17	23	140	130	149	159	154	164	6.6	6.1	7.1	0.59	0.49	0.69									
GEM 3000	7.633	7.603	7.663	20	17	23	140	130	149	159	154	164	6.6	6.1	7.1	0.59	0.49	0.69									
<b>ITC</b>																											
IRMA TRUpoint	7.68	7.63	7.73	20	14	26	147	132	162																		
<b>NOVA</b>																											
Electrolyte Systems	7.650	7.620	7.680				165	160	170	7.7	7.2	8.2	0.56	0.41	0.71	117	112	122	2.11	1.93	2.33	27	23	31			
Stat Profile 1-5	7.633	7.603	7.663	21	17	25	140	134	145	163	158	168	6.9	6.4	7.4	0.59	0.49	0.69	117	112	122						
<b>Osmetech</b>																											
Opti 1	7.72	7.69	7.75	21	16	26	138	123	153																		
Opti CCA	7.72	7.69	7.75	21	16	26	136	121	151	162	157	167	7.5	7.0	8.0	0.59	0.44	0.74	118	113	123						
<b>Radiometer</b>																											
ABL 3, 30	7.643	7.613	7.673	20	17	24	144	136	151																		
ABL 300, 330	7.643	7.613	7.673	21	18	25	141	133	149																		
ABL 5	7.623	7.593	7.653	20	17	24	140	130	149																		
ABL, 50, 500, 510, 520	7.633	7.603	7.663	21	17	25	140	131	149																		
ABL 505	7.633	7.603	7.663	20	17	24	140	131	149	160	155	165	6.8	6.3	7.3	0.60	0.50	0.70									
ABL 555	7.633	7.603	7.663	20	17	24	140	131	149	160	155	165	6.8	6.3	7.3	0.60	0.50	0.70									
ABL 600, 610, 620	7.633	7.603	7.663	20	17	25	140	131	149	160	155	165	6.7	6.2	7.2	0.60	0.50	0.70	112	107	117						
ABL 70	7.65	7.62	7.68	21	17	25	128	120	136	157	152	162	6.7	6.2	7.2	0.60	0.50	0.70	115	110	120						
ABL 77	7.65	7.62	7.68	21	17	25	128	120	136	157	152	162	6.7	6.2	7.2	0.60	0.50	0.70	115	110	120						
EML-100																											
ABL 700 Series**	7.633	7.603	7.663	20	17	24	140	131	149	160	155	165	6.8	6.3	7.3	0.60	0.50	0.70	112	107	117						
<b>I-STAT</b>																											
BG, E+	7.663	7.633	7.693	21	17	25	134	125	143	160	155	165	6.8	6.3	7.3	0.60	0.50	0.70	112	107	117						
<b>Medica, iLyte, Menarini</b>																											
EasyLyte® Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li																											
<b>TechnoMedica</b>																											
GASTAT 600, 601, 602i	7.632	7.602	7.724	24	20	28	141	131	149	161	156	166	7.0	6.5	7.5	0.70	0.55	0.85	122	117	127						

\*Includes 840, 845, 850, 855, 860 Analyzers

\*\*Includes 705, 710, 715, 720, 725

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