

# MISSION CONTROL™

## Blood Gas and Electrolyte Control

### Level 2

PN: DD-92002D

LOT: MC-1018

Exp: 2011/02

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	7.318	7.259	7.377	47	42	53	104	85	123																			
990, 995	7.318	7.259	7.377	47	42	53	102	84	120																			
Compact Series	7.328	7.269	7.387	48	43	54	102	84	120																			
982, 983, 985										139	132	146	4.23	3.89	4.56				109	100	118	1.04	0.91	1.16				
986										143	136	150	4.33	3.98	4.67				107	98	116				34	30	38	
984, 987	7.328	7.269	7.387							139	132	146	4.33	3.98	4.67	1.16	0.98	1.33										
OMNI	7.338	7.279	7.397	47	42	53	94	77	111									110	101	119								
9110, 9140	7.338	7.279	7.397							134	127	140	4.23	3.89	4.56	1.14	0.97	1.31										
9120, 9130										131	125	138	4.03	3.70	4.35				108	99	117							
9180, 9181										131	125	138	4.03	3.70	4.35	1.16	0.98	1.33	101	93	109	1.12	0.98	1.25				
<b>Ciba-Corning/Bayer</b>																												
238	7.35	7.29	7.41	47	42	53	96	79	113																			
248	7.348	7.289	7.407	47	42	53	91	75	107																			
348	7.348	7.289	7.407	47	42	53	99	81	117	135	128	142	4.13	3.80	4.46	1.16	0.98	1.33	107	99	116							
278	7.358	7.299	7.417	47	42	53	99	81	117																			
280	7.358	7.299	7.417	47	42	53	99	81	117																			
288	7.358	7.299	7.417	47	42	53	99	81	117	134	127	141	4.13	3.80	4.46	1.16	0.98	1.33	107	99	116							
664										136	129	143	4.13	3.80	4.46				106	98	114				34	30	38	
614, 644										135	128	142	4.13	3.80	4.46				106	98	115							
634	7.37	7.31	7.43													1.11	0.95	1.28										
654										135	128	142	4.13	3.80	4.46							1.04	0.91	1.16				
800 Series*	7.368	7.309	7.427	47	42	53	100	82	118	132	126	139	4.13	3.80	4.46	1.05	0.90	1.21	99	91	107							
Rapid 400, 405	7.368	7.309	7.427	47	42	53	100	82	118	132	126	139	4.13	3.80	4.46	1.11	0.94	1.27	105	97	114							
<b>Diamond</b>																												
GEMLYTE										135	129	142	4.20	3.86	4.53	1.10	0.93	1.26	97	89	105	1.02	0.90	1.15				
PROLYTE										137	130	144	4.27	3.93	4.61				95	87	103							
<b>IL</b>																												
1304, 1306, 1312	7.338	7.279	7.397	46	41	52	99	81	117																			
BG3	7.338	7.279	7.397	47	42	53	98	80	116																			
BGE	7.338	7.279	7.397	47	42	53	97	79	114	133	126	140	3.93	3.61	4.24	1.14	0.97	1.31	103	95	112							
1610, 1620	7.338	7.279	7.397	47	42	53	99	81	117																			
1630, 1640, 1650	7.338	7.279	7.397	47	42	53	96	79	113	135	128	142	3.93	3.61	4.24	1.14	0.97	1.31	103	95	112							
Synthesis 10, 15, 20, 25	7.338	7.279	7.397	43	38	49	104	85	123	135	128	142	3.89	3.57	4.20	1.14	0.97	1.31	104	96	112							
GEM Premier	7.337	7.278	7.395	48	43	54	102	84	120	137	130	144	4.03	3.70	4.35	1.16	0.98	1.33										
GEM 3000	7.337	7.278	7.395	48	43	54	102	84	120	137	130	144	4.03	3.70	4.35	1.16	0.98	1.33										
<b>ITC</b>																												
IRMA TRUpoint	7.36	7.31	7.42	47	41	53	107	88	126																			
<b>NOVA</b>																												
Electrolyte Systems	7.348	7.289	7.407							137	130	144	4.23	3.89	4.56	1.16	0.98	1.33	107	99	116	1.10	0.97	1.23	34	30	38	
Stat Profile 1-5	7.348	7.289	7.407	47	42	53	94	77	111	136	129	143	4.23	3.89	4.56	1.16	0.98	1.33	103	95	112							
<b>Osmetech</b>																												
Opti 1	7.41	7.35	7.47	46	40	51	100	82	118	139	132	146	4.27	3.92	4.61	1.11	0.94	1.27	107	98	116							
Opti CCA	7.41	7.35	7.47	47	41	53	98	80	116	139	132	146	4.27	3.92	4.61	1.11	0.94	1.27	107	98	116							
<b>Radiometer</b>																												
ABL 3, 30	7.348	7.289	7.407	46	41	52	102	84	120																			
ABL 300, 330	7.348	7.289	7.407	46	41	52	99	81	117																			
ABL 5	7.33	7.27	7.39	46	41	52	102	84	120																			
ABL, 50, 500, 510, 520	7.338	7.279	7.397	47	42	53	104	86	123																			
ABL 505	7.338	7.279	7.397	47	42	53	101	83	119	134	127	141	4.13	3.80	4.46	1.18	1.00	1.36										
ABL555	7.338	7.279	7.397	47	41	53	101	83	119	135	128	141	4.11	3.78	4.44	1.18	1.00	1.35										
ABL 600, 610, 620	7.338	7.279	7.397	47	42	53	101	83	119	134	127	141	4.13	3.80	4.46	1.18	1.00	1.36	102	94	110							
ABL 70, 77	7.35	7.29	7.41	47	42	53	98	81	116	137	131	144	4.21	3.87	4.55	1.14	0.97	1.31	100	92	108							
ABL 700 Series**	7.338	7.279	7.397	47	42	53	96	79	113	134	127	141	4.13	3.80	4.46	1.18	1.00	1.36	101	93	109							
EML-100										134	127	141	4.13	3.80	4.46	1.18	1.00	1.36	101	93	109							
<b>i-STAT</b>																												
BG, E+	7.352	7.293	7.410	47	42	53	101	83	119	137	130	144	4.23	3.89	4.56	1.18	1.00	1.36	103	95	112							
Medica, iLyte, Menarini																												
EasyLyte <sub>Na/K</sub> , Na/K/Cl, Na/K/Li, Na/K/G/Li	7.370	7.311	7.429							138	131	144	4.25	3.91	4.59	1.21	1.03	1.39	103	95	112	1.13	0.99	1.26				

\*Includes 840, 845, 850, 855, 860, 865 Analyzers

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

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