





## **Mission Control™**

### **Blood Gas and Electrolyte Control - Level 1**

LOT

2304132-EU  
2026/03

## Expected Ranges Chart

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			Cl <sup>-</sup> mmol/L			Li <sup>+</sup> 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	
Blood Gas/ISE Analyzer																												
Diamond PROLYTE										110	107 - 113	2.00	1.91 - 2.09							77	74 - 80	0.35	0.33 - 0.37					
Diamond SMARTLYTE, GEMLYTE										113	110 - 116	1.97	1.88 - 2.06	2.15	1.99 - 2.31					79	75 - 83	0.32	0.30 - 0.34					
Diamond SMARTLYTE PLUS										115	112 - 118	2.21	2.11 - 2.31	2.17	2.01 - 2.33					80	76 - 84	0.30	0.28 - 0.32					
Erba Mannheim, EC 90										127	123 - 131	2.08	1.98 - 2.17	2.61	2.42 - 2.81					92	88 - 96							
Eschweiler Combiline	7.138	7.110 - 7.167		89.2	83.4 - 95.0		101	90 - 112		118	115 - 122	2.11	2.01 - 2.20	2.27	2.10 - 2.44					82	78 - 85	0.53	0.50 - 0.56					
Eschweiler Combisys II	7.141	7.113 - 7.170		84.2	78.7 - 89.7		103	92 - 114		118	115 - 122	2.11	2.01 - 2.20	2.27	2.10 - 2.44					84	80 - 88	0.53	0.50 - 0.56					
Eschweiler ECOLYTE										117	114 - 121	2.11	2.01 - 2.20	2.27	2.10 - 2.44					84	80 - 88	0.53	0.50 - 0.56					
Eschweiler ECOSYS II	7.143	7.115 - 7.172		84.2	78.7 - 89.7		103	92 - 114																				
Horiba Yumizen E100										115	112 - 118	2.21	2.11 - 2.31	2.17	2.01 - 2.33					80	76 - 84	0.30	0.28 - 0.32					
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Cl/Li, Na/K/pH/Ca	7.138	7.109 - 7.166								114	111 - 118	2.08	1.99 - 2.17	2.33	2.15 - 2.50					82	78 - 85	0.32	0.30 - 0.34					
Radiometer ABL 5	7.20	7.17 - 7.23		78.5	73.4 - 83.6		95	85 - 105																				
Radiometer ABL 50, 500, 505, 510, 520	7.111	7.083 - 7.140		82.3	76.9 - 87.6		111	99 - 123		118	115 - 122	1.92	1.83 - 2.01	2.06	1.90 - 2.21													
Radiometer ABL 555	7.147	7.119 - 7.176		76.4	71.4 - 81.4		110	97 - 122		118	115 - 122	1.92	1.83 - 2.01	2.06	1.90 - 2.21													
Radiometer ABL 600, 610, 620, EML-100	7.139	7.110 - 7.167		85.9	80.3 - 91.5		102	91 - 113		118	115 - 122	1.92	1.83 - 2.01	2.05	1.89 - 2.20					80	76 - 83							
Radiometer ABL 700	7.139	7.110 - 7.167		85.9	80.3 - 91.5		100	89 - 111																				
Roche/AVL 990, 995	7.119	7.090 - 7.147		86.9	81.2 - 92.5		105	93 - 116																				
Roche/AVL 9110, 9140	7.139	7.110 - 7.167								113	109 - 116	2.17	2.07 - 2.27	2.04	1.88 - 2.19													
Roche/AVL 9120, 9130										112	109 - 116	2.17	2.07 - 2.27							86	82 - 89							
Roche/AVL 9180, 9181										113	110 - 116	1.97	1.88 - 2.06	2.15	1.99 - 2.31					79	75 - 83	0.32	0.30 - 0.34					
Roche/AVL Cobas b 121	7.169	7.140 - 7.197		83.4	78.0 - 88.8		86	77 - 96		114	111 - 118	2.12	2.02 - 2.21	1.96	1.81 - 2.10					88	84 - 91							
Roche/AVL Cobas b 221	7.159	7.130 - 7.187		83.4	78.0 - 88.8		84	75 - 93		119	116 - 123	2.12	2.02 - 2.21	1.96	1.81 - 2.10					88	84 - 91							
Roche/AVL Compact Series	7.119	7.090 - 7.147		86.9	81.2 - 92.5		105	93 - 116																				
Siemens/Bayer 248	7.124	7.096 - 7.153		77.5	72.5 - 82.6		89	80 - 99																				
Siemens/Bayer 348	7.121	7.093 - 7.149		80.1	74.9 - 85.3		80	71 - 89		112	109 - 116	2.21	2.11 - 2.31	2.07	1.92 - 2.23					88	84 - 92							
Siemens/Bayer 614, 634, 644, 654, 664	7.15	7.12 - 7.18								118	115 - 122	1.96	1.87 - 2.05	2.04	1.83 - 2.13					85	81 - 88	0.35	0.33 - 0.38					
Siemens/Bayer 840, 845, 850, 855, 860, 865	7.180	7.152 - 7.209		75.3	70.4 - 80.2		95	85 - 106		109	106 - 113	1.76	1.68 - 1.84	1.92	1.78 - 2.07					72	69 - 76							
Siemens/Bayer RapidPoint 400, 405	7.158	7.120 - 7.187		80.0	82.3 - 94.8		91	81 - 101		115	112 - 119	1.86	1.77 - 1.94	1.93	1.77 - 2.06					70	75 - 82							