

Mission Control™ Blood Gas and Electrolyte Control - Level 2

REF	DD-92002D	CE	IVD	2025/12	LOT	2301181
English						
Intended Use:						
MISSION CONTROL™ Blood Gas and Electrolyte Control is an assayed quality control material intended for monitoring the measurements of pH pCO ₂ , pO ₂ in blood gas analyzers and sodium, potassium, chloride, lithium, ionized calcium and total carbon dioxide in ISE electrolyte analyzers.						
Product Description:						
This control material is provided for monitoring analyzer performance. It is packaged in sealed glass ampules, each containing approximately 1.8 ml of solution. Ampules are packed 10 per tray with each box containing 3 trays, for a total of 30 ampules per box.						
Active Ingredients:						
MISSION CONTROL™ is a buffered solution of electrolytes (Na+, K+, Cl-, Ca++, Li+, HCO ₃ -CO ₂). It has been equilibrated with specific levels of CO ₂ , O ₂ , and N ₂ . This control contains no human-based materials.						
Directions for Use						
Immediately introduce the liquid from the ampule to the analyzer, following the instrument manufacturer's instructions for sampling a control material. Use direct aspiration, syringe transfer, or capillary mode techniques.						
Limitation:						
1. This control is sensitive to many instrument related factors that affect analytical results. Because it is not a blood-based material, it may not detect certain malfunctions, which would affect the testing of blood.						
2. This product is intended for use as a quality control material and can assist in evaluating the performance of laboratory instruments. It is not for use as a calibration standard and its use should not replace other aspects of a complete quality control program.						
Storage:						
Store at 18-25°C. Avoid freezing and exposure to temperatures greater than 30°C. You may also store at 4-25°C without adverse effect.						
Expected Ranges:						
The values for each control analyte on the enclosed Expected Ranges Chart are based on multiple determinations performed on randomly selected samples from each lot. The listing for each instrument represents the expected range for these ampules when tested at 23°C. (Normal pCO ₂ values will increase by one percent (1%) per degree C that the temperature of the ampules varies from 23°C).						
The Expected Ranges are provided as a guide in evaluating analyzer performance. Since instrument design and operating conditions may vary, each laboratory should establish its own expected values and control limits. The mean value established should fall within the Expected Ranges shown on the chart.						
Lagerung:						
Bei 18-25°C aufbewahren. Vermeiden Sie Einfrörung und Aussetzung bei Temperaturen von mehr als 30°C. Diese Lagerung bei 4-25°C ist ohne negativer Auswirkung.						
Wertbereiche:						
Die Werte für jeden Kontrollanalyt auf der beiliegenden Wertbereichstabelle basieren auf mehreren Erhebungen, die von zufällig ausgewählten Proben jeder Packung stammen. Die Liste für jedes Instrument umfasst das erwartete Resultat für die jeweilige Ampulle bei der Prüfung bei 23°C. (Hinweis: pCO ₂ Werte variieren umgekehrt um einen Prozent (1%) pro Grad Celsius, da die Temperatur der Ampullen um 23°C variiert.)						
Die erwarteten Wertbereiche sollen als Leitfaden bei der Bewertung der Leistung von Analysegeräten dienen. Da die Instrumentausführung und Bedienungsbedingungen variieren können, sollte jedes Labor seine eigenen Wertewartungen und Kontrollbeschränkungen erstellen. Der selbst erstellte Mitttwert sollte dem auf der vorgegebenen Wertbereichstabelle entsprechen.						
Temperature Limit						
Temperaturgrenze Limite de temperatura Limite de temperatura Limite de temperatura Temperaturgrenze 界限温度 Границы температуры						
Consult Instructions for Use Gebräuchsanweisung beachten Consulez les instructions de usage Consulte as instruções de utilização Benutzen Sie die Anleitung für die Verwendung 参阅使用說明書 Проверьте инструкции по применению						
Lot Number Chargen-Nr. Número de lote Número de lote Número de lote Batchnummer 批次号 Номер поставки						
Use by (YY-MM-DD) Verwendbar bis (JJJ-MM-TT) Date limite d'utilisation (JJ-JJ-JJ) User hasta el (AAAA-MM-DD) Utilizar até (AAAA-MM-DD) Anwend bar (YYYY-MM-DD) 效期至 (YYYY-MM-DD)						
Manufactured by Hersteller Fabricante Fabricante Fabricado por Fabricado por Fremstillet af …制造 изготавливается						
Authorized Representative Bewilligter Representante Representante Representante autorizado Representante autorizado Autorisierter Autorizado 授权代表 授权代表 Санкционированное представительство						
Catalog Number Katalog-Nr. Número de catálogo Número de catálogo Catalog 产品编号 Номер каталога						

IVD
For In Vitro Diagnostic Use
In vitro Diagnosticum
Para Uso Diagnóstico in Vito
Užití Aparatu in Vitro
In vitro diagnostic
仅限体外诊断使用
Для использования в диагностике in vitro

CE
European Conformity
CE-Konformitätszeichenung
Conformité Européenne
Conformidade com as normas europeias
Europäische overeenstemming
符台欧
Европейская Аккредитация



Expected Ranges Chart

	pH			pCO ₂ mmHg			pO ₂ mmHg			Na ⁺ mmol/L			K ⁺ mmol/L			Ca ⁺⁺ mmol/L			Ca ⁺⁺ mg/dL			Cl ⁻ mmol/L			Li ⁺ mmol/L			tCO ₂ mmol/L					
Blood Gas/SE 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	*7.424	*7.365	- *7.483	*46.1	*40.1	- *52.1	*148	*130	- *166	*142	*136	- *149	*4.36	*4.03	- *4.70	*1.30	*1.12	- *1.48	*5.18	*4.46	- *5.90	*96	*88	- *104									
AADEE SA iSe																																	
AADEE SA RUMI BG	*7.43	*7.37	- *7.49	*42.0	*36.0	- *48.0	*138	*120	- *156	139	132	- 146	4.46	4.12	- 4.80	1.19	1.02	- 1.36	4.76	4.08	- 5.44	97	89	- 105									
Caretium XI-921	8.10	8.01	- 8.19							135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
CMD CMDLyte										138	131	- 145	4.47	4.13	- 4.81	1.26	1.09	- 1.43	5.04	4.36	- 5.72	99	91	- 107	0.98	0.78	- 1.18						
CMD CMDLyte Plus										135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
Corray Coralyte Analyzer										136	129	- 143	4.26	3.93	- 4.60	1.23	1.06	- 1.39	4.90	4.24	- 5.56	98	90	- 106	0.92	0.78	- 1.05						
Comley AFT-400, 500 Series	7.28	7.22	- 7.34							144	137	- 151	4.40	4.06	- 4.74	1.26	1.09	- 1.43	5.04	4.36	- 5.72	105	96	- 113	1.01	0.88	- 1.14						
Diamond CARELYTE										143	136	- 150	4.41	4.07	- 4.75	1.19	1.02	- 1.36	4.76	4.08	- 5.44	105	96	- 113	1.02	0.89	- 1.15						
Diamond CARELYTE PLUS										134	126	- 141	4.29	3.85	- 4.73	*1.32	*1.16	- *1.54	*5.28	*4.64	- *6.16	96	88	- 104	1.11	0.98	- 1.24						
Diamond PROLYTE										135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
Diamond SMARTLYTE, GEMLYTE										138	131	- 145	4.47	4.13	- 4.81	1.26	1.09	- 1.43	5.04	4.36	- 5.72	99	91	- 107	0.98	0.78	- 1.18						
Diamond SMARTLYTE PLUS										134	127	- 141	4.26	3.92	- 4.60	1.26	1.09	- 1.43	4.96	4.28	- 5.40												
Diamond UNITY										151	136	- 166	4.49	4.10	- 4.88	1.20	1.08	- 1.32	4.80	4.32	- 5.28	112	100	- 124									
Erba Mannheim, EC 90										142	136	- 149	4.38	4.04	- 4.71	1.22	1.06	- 1.38	4.88	4.24	- 5.52	106	98	- 114	1.05	0.91	- 1.18						
Eschweiler Combline	7.424	7.365	- 7.483	35.9	30.0	- 41.8	162	144	- 180	142	136	- 149	4.38	4.04	- 4.71	1.22	1.06	- 1.38	4.88	4.24	- 5.52	106	98	- 114	1.05	0.91	- 1.18						
Eschweiler Combisys II	7.424	7.365	- 7.483	32.6	26.7	- 38.5	163	145	- 180	142	136	- 149	4.38	4.04	- 4.71	1.22	1.06	- 1.38	4.88	4.24	- 5.52	106	98	- 114	1.05	0.91	- 1.18						
Eschweiler ECOLYTE										140	134	- 147	4.38	4.04	- 4.71	1.22	1.06	- 1.38	4.88	4.24	- 5.52												
Eschweiler ECOSYS II	7.424	7.365	- 7.483	32.6	26.7	- 38.5	163	145	- 180																								
Fresenius Ionometer										136	129	- 143	4.07	3.73	- 4.41	1.14	0.97	- 1.31	4.56	3.88	- 5.24												
Heigalite Plus										138	131	- 145	4.47	4.13	- 4.81	1.26	1.09	- 1.43	5.04	4.36	- 5.72	99	91	- 107	0.98	0.78	- 1.18						
Horiba Yumizen E100										138	131	- 145	4.47	4.13	- 4.81	1.26	1.09	- 1.43	5.04	4.36	- 5.72	99	91	- 107	0.98	0.78	- 1.18						
IDEXX VetLyte										144	137	- 151	4.45	4.11	- 4.79							103	94	- 111									
IL 1610, 1620	7.401	7.342	- 7.459	47.6	41.7	- 53.5	134	116	- 151																								
IL 1630, 1640, 1650	7.401	7.342	- 7.459	47.6	41.7	- 53.5	132	115	- 149	138	132	- 145	3.93	3.62	- 4.24	1.17	1.00	- 1.33	4.66	4.00	- 5.32	102	93	- 110									
IL BGE	7.401	7.342	- 7.459	47.6	41.7	- 53.5	132	115	- 149	136	130	- 143	3.93	3.62	- 4.24	1.17	1.00	- 1.33	4.66	4.00	- 5.32	102	93	- 110									
IL Gem Premier, 3000	7.474	7.415	- 7.533	41.4	35.4	- 47.4	153	135	- 171	140	133	- 147	4.04	3.73	- 4.36	1.23	1.06	- 1.40	4.92	4.24	- 5.60												
IL Gem Premier, 4000	7.464	7.405	- 7.523	41.4	35.4	- 47.4	157	139	- 175	136	129	- 143	4.44	4.13	- 4.76	1.26	1.09	- 1.43	5.04	4.36	- 5.72	101	93	- 110									
IL ILyte	7.433	7.374	- 7.492							141	134	- 148	4.25	3.92	- 4.59	1.28	1.09	- 1.46	5.10	4.36	- 5.84	101	93	- 110									
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.401	7.342	- 7.459	43.6	38.2	- 49.1	139	120	- 157	138	132	- 145	3.89	3.58	- 4.20	1.17	1.00	- 1.33	4.66	4.00	- 5.32	102	94	- 110									
InSight Electrolyte Analyzer										135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
Intherma S-Lyte										135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
ITC IRMA TRUpoint	7.42	7.37	- 7.48	47.2	41.4	- 53.1	142	123	- 161																								
Max Ion	7.28	7.22	- 7.33							136	129	- 143	4.26	3.93	- 4.59	1.22	1.06	- 1.38	4.29	3.96	- 5.32	98	90	- 106	0.92	0.78	- 1.05						
Medica EasyBloodGas	7.44	7.38	- 7.50	44.4	38.4	- 50.4	156	138	- 174																								
Medica EasyLyte Na/K, Na/K/Cl, Na/K/Li, Na/K/Ci/Li, Na/K/pH/Ca	7.433	7.374	- 7.492							143	136	- 150	4.25	3.92	- 4.59																		
Medica EasyStat	7.44	7.38	- 7.50	44.4	38.4	- 50.4	160	142	- 178	138	131	- 145	3.94	3.64	- 4.24	1.04	0.93	- 1.24	4.36	3.72	- 4.96	97	89	- 105	1.23	1.10	- 1.36						
Medica ISE Module										144	137	- 151	4.25	3.92	- 4.59																		
MH Lab-ISE										135	128	- 142	4.11	3.77	- 4.45	1.26	1.09	- 1.43	5.04	4.36	- 5.72	98	90	- 106	0.97	0.84	- 1.10						
MH Lab-ISE Plus										138	131	- 145	4.47	4.13	- 4.81	1.26	1.09	- 1.43	5.04	4.36	- 5.72	99	91	- 107	0.98	0.78	- 1.18						
Nova Electrolyte Systems	7.411	7.352	- 7.461	47.6	41.7	- 53.5	129	112	- 145	140	134	- 147	4.27	3.93	- 4.61	1.08	0.92	- 1.23	4.30	3.68	- 4.92	105	97	- 114									
Nova Stat Profile Systems	7.411	7.352	- 7.461	47.6	41.7	- 53.5	129	112	- 145	139	133	- 146	4.23	3.90	- 4.56	1.13	0.97	- 1.29	4.50	3.88	- 5.16	102	93	- 110									
Nova pHox Series	7.459	7.434	- 7.484	38.2	33.2	- 43.2	149	133	- 155	137	133	- 141	4.26	4.01	- 4.51	1.16	0.97	- 1.29	4.74	4.08	- 5.40	94	89	- 98									
OptiMedical Opti 1	7.47	7.41	- 7.53	46.2	40.4	- 51.9	135	117</td																									