

Mission Control™ Blood Gas and Electrolyte Control - Level 2

REF	DD-92002D	CE	IVD	2025/02	LOT	2203142
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 Limit de température Limite de temperatura Límite de temperatura Temperaturengrenze 界限溫度限制 Границы температуры						
Consult Instructions for Use Gebräuchsanweisung beachten Consulter les instructions Consulte las instrucciones de uso Consulte as instruções de utilização Benutzen Sie die Anleitung für die 使用说明书 Проверьте инструкции по применению						
Lot Number Chargen-Nr. Número de lote Número de lote Batchnummer 批次号 Лот номер						
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 Fabricante Fremstillet af 制造者 Изготовлено						
Authorized Representative Bewilligter Representante Representante Representante autorizado Representante autorizado Autorisierter 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
Uitvoer Apparatuur in Vito
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

Temperature Limit
Temperaturlimit
Limite de temperatura
Límite de temperatura
Temperaturengrenze
界限溫度限制
Границы температуры



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Date limite d'utilisation (JJ-JJ-JJ)
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Fabricante
Fremstillet af
制造者
Изготовлено



Authorized Representative
Bewilligter
Representante
Representante
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授权代表
授权代表
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Katalog-Nr.
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Mission Control™

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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/ISE 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	*7.415	*7.356	- *7.474	*46.4	*40.4	- *52.4	*140	*122	- *158	*147	*141	- *154	*4.44	*4.11	- *4.78	*1.22	*1.04	- *1.40	*4.88	*4.16	- *5.60	*97	*89	- *105						
AADEE SA use																														
AADEE SA RUMI BG	*7.42	*7.36	- *7.48	*42.3	*36.3	- *48.3	*130	*112	- *148	145	138	- 152	4.55	4.21	- 4.89	1.11	0.94	- 1.28	4.44	3.76	- 5.12	98	90	- 106						
Caretum XI-921	8.09	8.00	- 8.18							139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.44	5.08	4.40	- 5.76	98	90	- 106	1.02	0.89	- 1.15			
CMD CMDLyte										142	135	- 149	4.57	4.23	- 4.91	1.31	1.14	- 1.48	5.24	4.56	- 5.92	97	89	- 105	1.06	0.93	- 1.19			
CMD CMDLyte Plus										139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.44	5.08	4.40	- 5.76	98	90	- 106	1.02	0.89	- 1.15			
Corray Corlyte Analyzer																														
Comley AFT-400, 500 Series	7.27	7.21	- 7.33																											
Diamond CARELYTE																														
Diamond CARELYTE PLUS																														
Diamond PROLYTE																														
Diamond SMARTLYTE, GEMLYTE																														
Diamond SMARTLYTE PLUS																														
Diamond UNITY																														
Erba Mannheim, EC 90																														
Eschweiler Combline	7.414	7.355	- 7.473	36.2	30.3	- 42.1	153	136	- 171	148	141	- 155	4.46	4.12	- 4.79	1.14	0.98	- 1.30	4.55	3.92	- 5.20	107	99	- 115	1.06	0.92	- 1.19			
Eschweiler Combisys II	7.414	7.355	- 7.473	32.9	27.0	- 38.8	154	136	- 172	148	141	- 155	4.46	4.12	- 4.79	1.14	0.98	- 1.30	4.55	3.92	- 5.20	107	99	- 115	1.06	0.92	- 1.19			
Eschweiler ECOLYTE										146	139	- 153	4.46	4.12	- 4.79	1.14	0.98	- 1.30	4.55	3.92	- 5.20	107	99	- 115	1.06	0.92	- 1.19			
Eschweiler ECOSYS II	7.414	7.355	- 7.473	32.9	27.0	- 38.8	154	136	- 172																					
Fresenius Ionometer																														
Horiba Yumizen E100																														
IDEXX VetLyte																														
IL 1610, 1620	7.391	7.332	- 7.450	47.9	42.0	- 53.8	125	108	- 142	142	135	- 149	4.15	3.81	- 4.49	1.06	0.89	- 1.23	4.24	3.56	- 4.92	113	101	- 125						
IL 1630, 1640, 1650	7.391	7.332	- 7.450	47.9	42.0	- 53.8	124	107	- 141	144	137	- 151	4.01	3.70	- 4.32	1.09	0.92	- 1.25	4.34	3.68	- 5.00	102	94	- 111						
IL BGE	7.391	7.332	- 7.450	47.9	42.0	- 53.8	123	106	- 140	142	135	- 149	4.01	3.70	- 4.32	1.09	0.92	- 1.25	4.34	3.68	- 5.00	102	94	- 111						
IL Gem Premier, 3000	7.464	7.405	- 7.523	41.7	35.7	- 47.7	144	126	- 162	146	139	- 153	4.12	3.81	- 4.44	1.15	0.98	- 1.32	4.59	3.92	- 5.28									
IL Gem Premier, 4000	7.454	7.395	- 7.513	41.7	35.7	- 47.7	148	130	- 166	142	135	- 149	4.52	4.21	- 4.84	1.18	1.01	- 1.35	4.71	4.04	- 5.40	102	94	- 111						
IL I-Lyte	7.423	7.364	- 7.482							147	140	- 153	4.33	4.00	- 4.67	1.20	1.01	- 1.38	4.78	4.04	- 5.52	102	94	- 111	1.20	1.06	- 1.33			
IL Synthesis 10, 15, 20, 25, 30, 35, 40, 45	7.391	7.332	- 7.450	43.9	38.5	- 49.3	130	112	- 148	144	137	- 151	3.97	3.67	- 4.28	1.09	0.92	- 1.25	4.34	3.68	- 5.00	103	95	- 111						
InSight Electrolyte Analyzer										139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.44	5.08	4.40	- 5.76	98	90	- 106	1.02	0.89	- 1.15			
Intherma S-Lyte										139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.44	5.08	4.40	- 5.76	98	90	- 106	1.02	0.89	- 1.15			
ITC IRMA TRUpoint	7.42	7.36	- 7.47	47.5	41.7	- 53.4	133	114	- 152	142	135	- 149	4.34	4.01	- 4.67	1.14	0.98	- 1.30	4.29	3.96	- 5.32	99	91	- 107	0.93	0.79	- 1.06			
Max Ion	7.27	7.21	- 7.32																											
Medica EasyBloodGas	7.44	7.38	- 7.50	44.7	38.7	- 50.7	147	129	- 165																					
Medica EasyElectrolytes																														
Medica EasyLyte NaK, Na/KCl, Na/KLi, Na/KCl/Li, NaK/pH/Ca	7.423	7.364	- 7.482							144	137	- 150	4.17	3.84	- 4.51	1.22	1.04	- 1.40	4.88	4.16	- 5.60	100	92	- 108	1.20	1.06	- 1.33			
Medica EasyStat	7.44	7.38	- 7.50	44.7	38.7	- 50.7	151	133	- 169	144	137	- 151	4.02	3.72	- 4.32	1.01	0.85	- 1.16	4.03	3.40	- 4.64	98	90	- 106	1.24	1.11	- 1.37			
Medica ISE Module										150	143	- 156	4.33	4.00	- 4.67															
MH Lab-ISE										139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.43	5.08	4.40	- 5.72	98	90	- 106	1.02	0.89	- 1.15			
MH Lab-ISE Plus										142	135	- 149	4.57	4.23	- 4.91	1.31	1.14	- 1.48	5.24	4.56	- 5.92	97	89	- 105	1.06	0.93	- 1.19			
Nova Electrolyte Systems	7.401	7.343	- 7.451	47.9	42.0	- 53.8	120	104	- 137	145	138	- 152	4.31	3.98	- 4.65	1.05	0.89	- 1.20	4.18	3.56	- 4.80	103	95	- 112	1.19	1.05	- 1.32			
Nova Stat Profile Systems	7.401	7.343	- 7.451	47.9	42.0	- 53.8	120	104	- 137	145	138	- 152	4.35	4.02	- 4.69	1.00	0.84	- 1.15	3.98	3.36	- 4.60	106	97	- 114						
Nova pHox Series	7.449	7.424	- 7.474	38.5	33.5	- 43.5	140	134	- 146	143	139	- 147	4.34	4.09	- 4.59	1.08	0.80	- 1.16	4.18	3.56	- 4.80	102	94	- 111						
OptiMedical Opti 1	7.46	7.40	- 7.52	46.5	40.7	- 52.2	126	109	- 144																					
OptiMedical Opti CCA	7.46	7.40	- 7.52	47.5	41.6	- 53.3	124	107	- 141	148	141	- 155	4.35	4.02	- 4.69	1.00	0.84	- 1.15	3.98	3.36	- 4.60	106	97	- 114						
OptiMedical LION	7.42	7.35	- 7.49							141	138	- 144	4.35	4.02	- 4.69	1.00	0.84	- 1.15	3.98	3.36	- 4.60	106	94	- 117						
OptiMedical R	7.45	7.39	- 7.51	49.5	43.6	- 55.3	133	116	- 150	149	142	- 156	4.45	4.12	- 4.79	1.04	0.88	- 1.19	4.14	3.52	- 4.76									
PT Diatron DPLyte										139	132	- 146	4.28	3.94	- 4.62	1.27	1.10	- 1.44	5.08	4.40	- 5.76	98	90	- 106	1.02					