

EBG Stat 820/1020 Menu



Critical Care Analysers

EBG Stat Series

EBG Stat 820 Menu (INS00051)	EBG Stat 1020 Menu (INS00054)
Blood Gas + Electrolyte pH, pO ₂ , pCO ₂ , Hct, Na, K, Cl, iCa	Blood Gas + Electrolyte + Metabolites pH, pO ₂ , pCO ₂ , Hct, Na, K, Cl, iCa, Glu, Lac
Calculated parameters	
SO ₂ %, HCO ₃ ⁻ , TCO ₂ , Be-efc, Be-b, SBC, O ₂ Ct, O ₂ Cap, A, AaDO ₂ , a/A, RI, PO ₂ /FIO ₂ , Anion Gap, P50, Hb, temperature Corrected pH, PCO ₂ , PO ₂	
Measurement range	
Na 80 - 200 mmol/L K 1 - 20 mmol/L Cl 50 - 200 mmol/L iCa 0.1 - 2.7 mmol/L Glu 0.8 - 28 mmol/L Lac 0.3 - 20 mmol/L Hct 12% - 70%	
Calibration Cartridge	
100, 200, 300, 400 or 500 tests	
Certifications	
ISO 9001 Quality System Registration, CSA, TÜV, CE Self Declared Complies to EN 61010, EN 50081, 82	
Physical Specifications	
Height: 39.06 cm (15.38 in) Width: 30.5 cm (12 in) Depth: 36.20 cm (14.35 in) Weight: 17.9 lb (8.167 kg) without calibration cartridge	



- Blood gas
- Electrolytes
- Metabolites

Automated, True Liquid
Quality Control



 **Erba Lachema s.r.o.**
Karásek 1d, 621 00 Brno, Czech Republic
Tel.: +420 517 077 111, fax: +420 517 077 077
E-mail: diagnostics@erbalachema.com
www.erbalachema.com



Contact info / map

Specifications are subject to change without prior notice.
Pictures used only for representation purposes- subject to change without prior notice.

EBG Stat 1020/820 Menu

Critical Care System

Latest micro-electronics and new Micro sensor cartridges are combined together in the EBG Stat series to produce a smaller, faster, more powerful and less expensive critical care blood gas system.



EBG Stat series Delivers Exceptional Value

EBG Stat series of EBG 1020 Menu & 820 Menu combines the micro-electronics technology and advanced micro-sensor technology. These technologies reduce the size, components, cost, weight, and maintenance of EBG Stat systems, while improving speed, throughput, and uptime.



Home screen

EBG Stat series features exceptional specification that makes critical care testing easy and affordable for any hospital.

- Up to 10 measured critical care Parameters
- 20 calculated parameters
- Results in 60 seconds
- Fast throughput
- Zero maintenance
- 24 x 7 readiness
- True liquid quality control (QC)
- Low running costs

Up to 30 Critical Care parameters results in 60 seconds

Critical care testing requires instrumentation with a menu of essential tests to enable immediate diagnosis and treatment of critical illness. Equally important is **24 x 7 hour** instrument readiness and rapid analysis time. EBG Stat system are uniquely designed to meet these needs by delivering results of **up to 30 critical care parameters in just 60 seconds**.

Test Results									
Measured at 37°C					Calculated				
Test	Value	Units	Range		Test	Value	Units	Range	
pH	7.402	-			BEecf	-1.6	mmol/L		
PCO ₂	26	mm/Hg			BEb	-3.7	mmol/L		
PO ₂	148	mm/Hg			SBC	24.6	mmol/L		
Hct	31	%			HCO ₃	19.4	mmol/L		
Na	143	mmol/L			TCO ₂	27	mm/Hg		
K	4.6	mmol/L			A	85	mm/Hg		
Cl	102	mmol/L			A-aDO ₂	2.3	mm/Hg		
iCa	1.21	mmol/L			a/A	1.1	-		
Glu	12.2	mmol/L			PO ₂ /FIO ₂	3.5	mm/Hg		
Lac	0.5	mmol/L			Hb	10.3	g/dL		

Results screen

Choice of arterial, venous or capillary blood

- Lithium heparinized whole blood
- Samples from syringes, open tubes, small cups, capillaries
- 100 µl for full menu
- All testing uses a single sample port. Even capillary sampling is performed without adapters.

Throughput: Up to 45 Samples/Hour

MSC (Micro Sensor cartridge) Technology

Accuracy

EBG Stat systems uses proven measurement technology using miniaturized sensor card format.

Constant stat readiness

The MicroSensor Card has an on-board use life of 32 days, and is automatically calibrated and always ready for analysis.

Clot protection

EBG Stats unique Clot protection sample flow path is designed to protect sensor cartridges from blood clot blockages.

Simple 3 Step Operation

Easy-to-use, high definition, color touchscreen

The touchscreen is easily operated through the use of simple and intuitive prompts and requires minimal training.

Testing in three simple steps

Step 1: Press Start

Step 2: Scan or enter patient ID,

Step 3: Aspirate

Barcode scanner

1D / 2D barcode scanner conveniently located within the sample port eliminates external handheld scanners and allows for fast, error free entry of operator and patient IDs.

Automated, True Liquid Quality Control

EBG Stat systems combines both automated, true liquid Quality Control and continuous electronic self-monitoring to ensure lab accuracy and uncompromised quality.

- Tri-Level Quality Control Cartridge automates daily QC.
- The Quality Control Cartridge contains up to 32-day supply of liquid QC material.
- Controls are run automatically at user selected intervals. This automated system complies with new U.S. CLIA requirements and other regulatory standards.
- Maintaining QC is one of the most time consuming aspects of critical care testing. EBG Stat automated, true liquid QC saves hours of time each week.



Supplemental Quality Monitoring (SQM)

EBG Stat systems provide a supplement to liquid QC. SQM continuously monitors the status and performance of all analytical components (including sensors, calibrations, sample integrity, software, and electronics), providing real-time, sample-to-sample assurance of correct performance.

Compact, Point-of-Care Size

EBG Stat systems micro-electronics and cartridge system make it one of the smallest and lightest critical care analyzers. EBG Stat systems compactness means it can be located virtually anywhere in the hospital or operated on a mobile cart with a battery back-up.



QC statistics and reports are automatically maintained and easily accessed.