

EBG Stat 1020/820

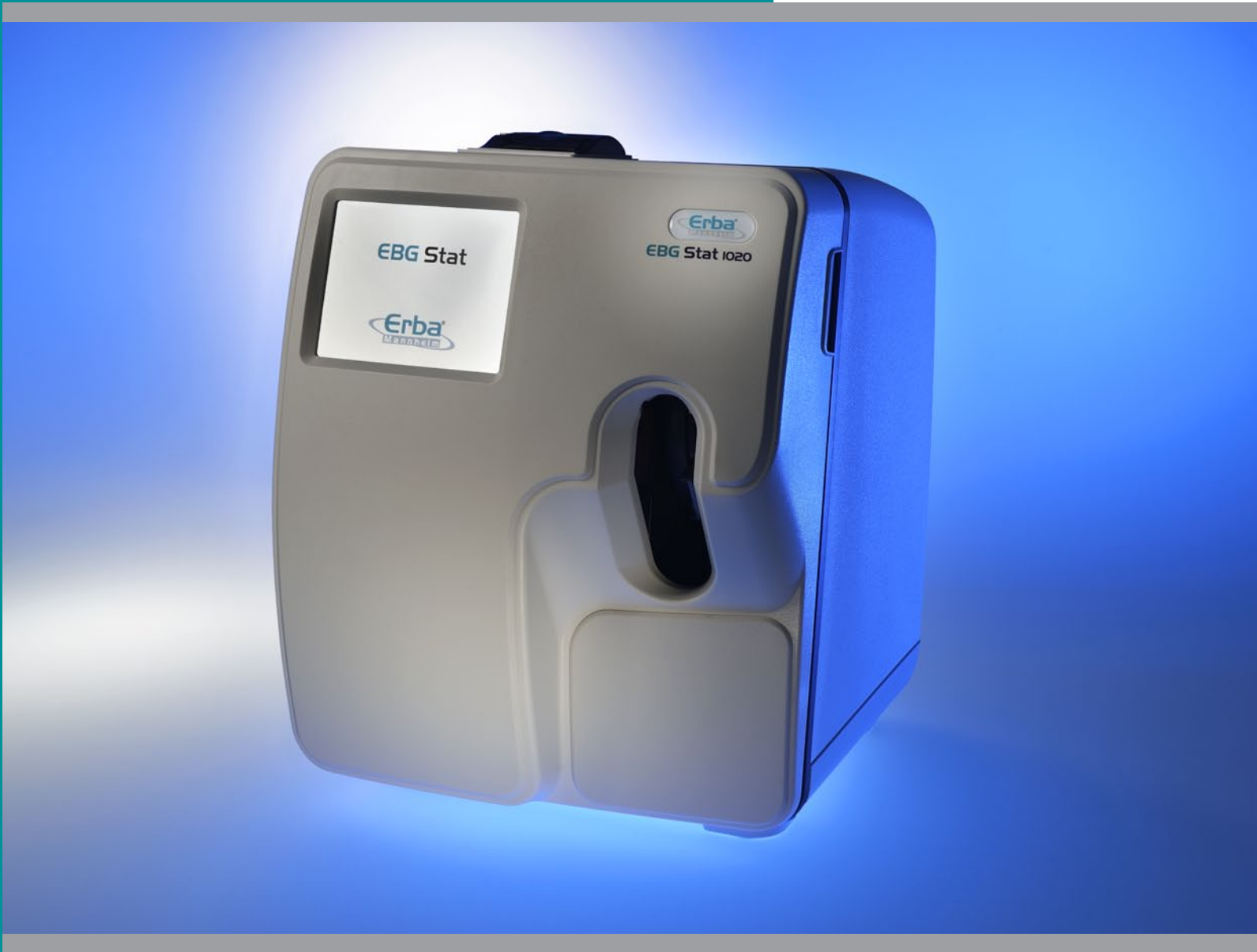


Critical Care Analysers

EBG Stat Series

EBG Stat 820	EBG Stat 1020
Blood Gas + Electrolyte	Blood Gas + Electrolyte + Metabolites
Calculated parameters	
niCa, niMg, niCa/niMg	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 iMg 0.1 - 1.5 mmol/L Li 0.1- 5.0 mmol/L Glu 0.8 - 28 mmol/L Lac 0.3 - 20 mmol/L Hct 12% - 70%
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	

* Parameters on EBG Stat 1020 only. Not available on EBG Stat 820.



Automated, True Liquid Quality Control



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EBG Stat 1020/820

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

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

- Up to 10-test measured critical care menu
- 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**.

Choice of Arterial, venous, or capillary micro-samples

- 100 microliters: full menu
- 50 microliters: only blood gases

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 Stat's 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"

Integrated barcode scanner

An optional integrated 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.

- Easy sampling from syringes, capillaries, tubes, and ampoules.
- All testing uses a single sample port. Even capillary sampling is performed without adapters.



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 35-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.



Test Results

09:46

67890

Measured at 37°C

Test	Value	Units	Range
pH	7.402	-	<div><div></div><div></div><div></div><div></div></div>
PCO ₂	26	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
PO ₂	148	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
Hct	31	%	<div><div></div><div></div><div></div><div></div></div>
Na	143	mmol/L	<div><div></div><div></div><div></div><div></div></div>
K	4.6	mmol/L	<div><div></div><div></div><div></div><div></div></div>
Cl	102	mmol/L	<div><div></div><div></div><div></div><div></div></div>
iCa	1.21	mmol/L	<div><div></div><div></div><div></div><div></div></div>
Glu	12.2	mmol/L	<div><div></div><div></div><div></div><div></div></div>
Lac	0.5	mmol/L	<div><div></div><div></div><div></div><div></div></div>

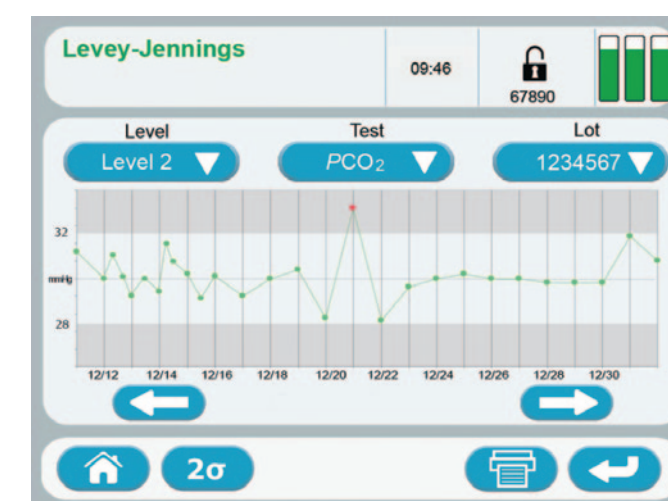
Calculated

Test	Value	Units	Range
BEeef	-1.6	mmol/L	<div><div></div><div></div><div></div><div></div></div>
BEb	-3.7	mmol/L	<div><div></div><div></div><div></div><div></div></div>
SBC	24.6	mmol/L	<div><div></div><div></div><div></div><div></div></div>
HCO ₃	19.4	mmol/L	<div><div></div><div></div><div></div><div></div></div>
TCO ₂	27	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
A	85	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
A-aDO ₂	2.3	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
a/A	1.1	-	<div><div></div><div></div><div></div><div></div></div>
PO ₂ /FIO ₂	3.5	mm/Hg	<div><div></div><div></div><div></div><div></div></div>
Hb	10.3	g/dL	<div><div></div><div></div><div></div><div></div></div>

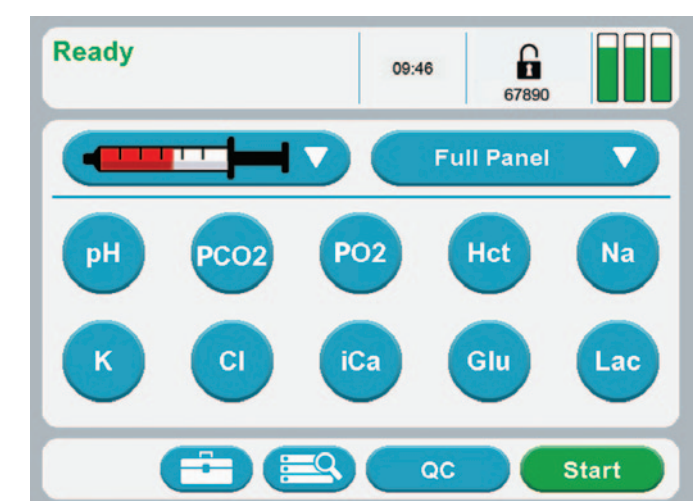
Results

QC

Results screen



QC statistics and reports are automatically maintained and easily accessed.



Home screen