

SG1

Blood Gas & Electrolyte Analyzer

- Results in 4 minutes
- One test card for 10 parameters
- WiFi and Bluetooth enabled
- Small sample size of 100 μ L

*A Handheld Blood Analyzer
That Delivers Lab-quality,
Diagnostic Results In Minutes.*





Easy operation

Testing can be performed in 3 simple steps at the patient's side with only 2 or 3 drops of whole blood.



Fast results

Get accurate results in 4 minutes at the patient's side to enable rapid decision-making, and optimize patient-care.



Multi-parameter card

Single-use test card offer a broad menu of tests on a single, portable platform. Each test card has a unique combination of biosensors to suit a wide range of clinical needs.



Handheld portability

Lightweight with build-in battery allowing diagnose at the point of care, patient side, out in the field or exam room.

Reader

Sample	Whole blood, serum, plasma	Sample volume	100 µL
Bar code	QR code	QC & calibrate	IQC (Intelligent Quality Control)
Display	4.3 IPS touch screen	Connectors	Type-c
Power	5V 2A	Battery	3.7V, 5000mAh
Printer	Built-in thermal printer	Operating temperature	Temperature: 5 - 32 °C; Relative humidity ≤85%; Barometric Pressure: 86.0kPa ~ 106.0kPa
Weight	600g		

Test Card *Measured Parameters*

Parameter	Measurement Range	Parameter	Measurement Range
pH	7.350 - 7.450	Ca++	1.15 -1.33mmol/L
pCO₂	35.0 - 48.0 mmHg	Hct	38% - 51%
pO₂	83.0 - 108.0 mmHg	Glu	74 - 100mg/dL
Na+	138 - 146 mmol/L	Lac	0.36 - 0.75mmol/L In development
K+	3.5 - 4.5mmol/L	BUN	8 - 26 mg/dL In development
Cl-	98 -107 mmol/L	Crea	0.51 - 1.19 mg/dL In development

Test Card *Calculated Parameters*

Parameter	Measurement Range	Parameter	Measurement Range
TCO₂*	22.0- 29.0 mmol/L	BE(b)*	-2.0-3.0 mmol/L
cHgb*	12.0-17.0 g/dL	cSO₂*	94.0% - 98.00%
cHCO₃-*	21.0-28.0 mmol/L	AG*	10-14 mmol/L
BE(ecf)*	-2.0-3.0 mmol/L		