

CE

PocTell

Blood Gas Analyzer



34 Parameters

Blood gases/Electrolytes/Metabolites

ACCURATE

±3.0%

FAST

Results in 3 min

SMART

As small as a printer

EASY

Insert and start

Blood Gas Analyzer

Advanced Features

- Measures 10 + 24 parameters
- Microfluidic electrochemical technology: transferring the function of an analytical laboratory onto a chip.
- Convenient Storage: Test cartridges can be stored at room temperature for up to 8 months.

Efficiency and Accuracy

- Instant operation: No pre-heating wait, instant test on arrival.
- Swift calibration and testing: Complete the calibration and testing process in 3 minutes.
- Built-in calibration solution: Provides laboratory-level test results, ensuring accuracy.

User-friendly Experience

- Immediate bedside results: Conduct whole blood testing effortlessly for instant results.
- Minimum sample volume requirement (150 μ L).
- Maintenance-free design: No fluidic pathways for hassle-free operation and minimal maintenance.
- 8.9-inch LCD 480p capacitive touch screen; Built-In video tutorials offering step-by-step guidance for efficient operation.

Portability and Data Storage

- Compact and portable design for on-the-go use.
- 60+ consecutive tests on a single charge
- Built-in lithium battery can standby for more than 24 hrs.
- Built-in QR scanner and thermal printer.
- Capable of storing over 100,000 records
- LIS/HIS connection available



Blood Gas Test Cartridge

- 34 parameters of blood gases, electrolytes and metabolites:
- 10 measured parameters: K^+ , Na^+ , Cl^- , iCa^{2+} , pH, pCO_2 , pO_2 , Glu, Lac, Hct.
- 24 calculated parameters: $cH^+(T)$, $pH(T)$, $pCO_2(T)$, $pO_2(T)$, $pO_2(A-a)(T)$, $pO_2(a/A)(T)$, $RI(T)$, $pO_2(T) / FiO_2$, cH^+ , $iCa^{2+}(7.4)$, HCO_3^-act , HCO_3^-std , $BE(ecf)$, $BE(B)$, $BB(B)$, AG , $sO_2(est)$, $tHb(est)$, TCO_2 , $pO_2(A-a)$, $pO_2(a/A)$, RI , $mOsm$, pO_2 / FiO_2 .



Applications



Emergency
Emergency critical care patients with poisoning, coma and convulsions



ICU
For critically ill patients.



Anesthesiology
Surgical anesthesia (preoperative, intraoperative and postoperative)



Surgery
Real-time surgical monitoring.



**Pediatrics/
Fever Clinic**
For outpatient infusion



Respiratory
Classification of respiratory failure, assessment of hypoxia, and guidance for ventilator adjustment.



Gastroenterology
For patients with diarrhea and unconscious vomiting.



Cardiology
For patients with heart attack.



Endocrinology
For patients with diabetic ketoacidosis.



Neurology
For patients with stroke and coma.



Obstetrics and Gynecology/Neonatology
Diagnosis of neonatal asphyxia, assessment of neonatal pulmonary disease and monitoring of acid-base balance.

Operation instruction



1 Scan the QR code on the cartridge pouch.



2 Fill the inlet with sample and seal by covering the cap



3 Insert the cartridge until it clicks. Wait for the results.

Specification

Parameter	Accuracy	Range	Precision
K ⁺	±3.0%	2.0-9.0 mmol/L	≤1.5%
Na ⁺	±3.0%	100-180 mmol/L	≤1.5%
Cl ⁻	±3.0%	65-140 mmol/L	≤1.5%
iCa ²⁺	≥1.00 mmol/L, ±5.0%; <1.00 mmol/L, ±0.05 mmol/L	0.25-2.50 mmol/L	≤1.5%
pH	±0.04	6.500-8.000	≤0.02
pCO ₂	≥62.0mmHg, ±8.0%; <62.0mmHg, ±5.0 mmHg	10.0-150.0 mmHg	≥62.0mmHg, CV≤4.0%; <62.0mmHg, SD≤2.5 mmHg
pO ₂	≥50mmHg, ±15.0%; <50mmHg, ±7.5 mmHg	10-700 mmHg	≤5.0%
Glu	≥4.0 mmol/L, ±10.0%; <4.0 mmol/L, ±0.4 mmol/L	1.1-38.0 mmol/L	≥4.0 mmol/L, CV≤5.0%; <4.0 mmol/L, SD≤0.2 mmol/L
Lac	≥5.00 mmol/L, ±12.0%; <5.00 mmol/L, ±0.6 mmol/L	0.50-20.00 mmol/L	≥5.00 mmol/L, CV≤6.0%; <5.00 mmol/L, SD≤0.3 mmol/L
Hct	≥50%PCV, ±6.0%; <50%PCV, ±3%PCV	10%-70%PCV	≥50%PCV, CV≤3%; <50%PCV, SD≤1.5%PCV

Ordering Information

Cat.No	Parameters									
	pH	pCO ₂	pO ₂	Na ⁺	K ⁺	iCa ²⁺	Cl ⁻	Glu	Lac	Hct
EG10+	●	●	●	●	●	●	●	●	●	●
EG4+	●	●	●						●	
EL4+				●	●	●	●			
EG9+	●	●	●	●	●	●	●	●		●
EG9-Lac	●	●	●	●	●	●	●		●	●
EG8+	●	●	●	●	●	●	●			●
EG7-Ca	●	●	●	●	●	●				●
EG7-Cl	●	●	●	●	●		●			●
EG6+	●	●	●	●	●					●
EG5+	●	●	●					●	●	
EG3+	●	●	●							

Please contact us for more information.