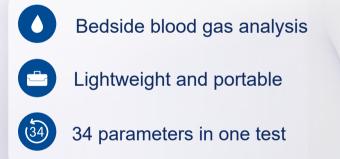


16:51

Fe



Blood Gas Analyzer EG-i Series EAGLENOS Co., Ltd.

Blood Gas Analyzer



Accurate, reliable and maintenance-free

Self-calibration for each test Accurate results in approximately 5 minutes Dry chemistry method, no reagent pack required, no carry-over contamination

Lightweight and portable

Rechargeable lithium battery: more than 50 tests Size: 235mm×210mm×160mm Weight: 3±0.5 kg (including battery)



Basy-to-use Quick start tutorial 8-inch full HD touchscreen

Smart identification in cartridge
Feedback of cartridge insertion
Identification of the cartridge expiration date

Automatic quality control Regular QC reminders Power on Self-Test Dual guality control: electronic simulator and controls

Blood Gas Test Cartridge

10/25/50/100 tests/box

34 parameters of blood gases, electrolytes and metabolites

10 measured parameters: K*, Na*, Cl; iCa²⁺, pH, pCO₂, pO₂, Glu, Lac, Hct 24 calculated parameters:cH+ (T) 、 pH (T) 、 pCO₂ (T) 、 pO₂ (T) 、 pO₂ (A-a) (T) 、 pO₂ (a/A) (T) 、 RI (T) 、 pO₂ (T) /FiO₂、 cH+、 iCa²⁺ (7.4) 、 HCO3-act、 HCO3-std、 BE (B) 、 BB (B) 、 AG、 sO₂ (est) 、 tHb (est) 、 TCO₂、 pO₂ (A-a) 、 pO₂ (a-A) 、 RI、 mOsm、 pO₂/FiO₂

Precise industrial design

High performance sensors

Microfluidic technology and integrated flow control system Unique sample quantification design to precisely control sample volume

) Instant detection, cost-effective and environment friendly

Rapid analysis of blood (venous/arterial) without sample processing Single-use cartridge to avoid waste and cross-contamination

(34)

Accurate

Automatic calibration upon each test to ensure accurate results

Test parameters and clinical significance

Electrolytes

Potassium ion (K⁺)

Even small changes in extracellular K* concentration will have significant effects on the transmembrane potential gradient, and thereby the function of neuromuscular and cardiac tissues.

Sodium ion (Na⁺)

As the most abundant extracellular fluid solute, Na* is the major determinant of its osmolality and thereby the principal determinant of water distribution between the intracellular and extracellular compartments. This highlights the role of Na* in the maintenance of blood volume and thereby blood pressure.

Chloride ion (Cl-)

As the second most abundant extracellular fluid ion after Na*, and the most abundant extracellular fluid anion, CI- is essential for the maintenance of normal plasma osmolarity.

Free calcium ion (iCa2+)

The maintenance of iCa²⁺ within normal limits is not only important for the structural integrity of bones but for a range of physiological functions, including: hemostasis, cardiac and skeletal muscle cell contraction, neuromuscular transmission and action of many hormones (calcium-signaling).

pH、Blood Gas

Acidity and alkalinity (pH)

The pH level is an indicator of the acidity and alkalinity of the blood. The abnormal pH level indicates an acid-base imbalance.

Carbon dioxide partial pressure (pCO_a)

pCO, is the partial pressure generated by physically dissolved CO, molecules in the blood and is an important indicator of the effectiveness of alveolar ventilation

Oxygen partial pressure (pO₂)

pO, is the partial pressure generated by the physically dissolved O, molecules in the blood and reflects the oxygen uptake by the pulmonary capillary blood.

Biochemical metabolites/Hematocrit

Glucose concentration (Glu)

Glucose is the primary source of energy for the organism and the only source of specialized nutrition for brain tissue. The measurement of blood glucose levels is extremely important for the diagnosis and treatment of patients with diabetes and hypoglycemia.

Lactic acid concentration (Lac)

Lactate is an indicator to assess the degree of tissue hypoperfusion and cellular hypoxia.

Hematocrit (Hct)

The percentage of red blood cells to whole blood volume is the main indicator of blood viscosity, anemia, severe blood loss and the body's ability to transfuse oxygen.

Application Scenario



Departm





Pediatrics/ Fever Clinic Electrolyte monitoring for outpatient infusion

Endocrinology

Blood gases, metabolites, electrolyte

and acid-base balance monitoring in

patients with diabetic ketoacidosis





Neurology

Blood gases and acid-base balance monitoring in patients with stroke and coma





Gastroenterology Electrolyte and acid-base bala monitoring in patients with diarrhea and vomiting with coma

Blood gases and electrolyte

monitoring during surgical

anesthesia (preoperative,

intraoperative, postoperative)





Surgery

Blood gases, electrolyte and acid-base balance monitoring during surgery







Obstetrics and Gynecology/ Neonatology Diagnosis of neonatal asphyxia, as ent of neonatal pulmonary disease and monitoring of acid-hase halance

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%
CI-	±3.0%	65-140 mmol/L	≤1.5%
iCa²+	≥1.00 mmol/L, ±5.0%; <1.00 mmol/L, ±0.05 mmol/L	0.25-2.50 mmol/L	≤1.5%
pН	±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

Operation instruction



Step1: Scan the barcode on the cartridge pouch.



Step2: Fill the inlet with sample and slide the cap to seal the sample inlet.



Step3: Insert the cartridge until it clicks. Wait for the results.

Company info

PT. Indolab Artha Medika

Tel: +62-21-6530-8478 WA Cust service : 0813-8892-7118 Address: Komp. Ruko Sunter Paradise Tahap II Blok.A4 No.43,Sunter Agung Podomoro.Jakarta Utara Website: www.idlab.co.id

Cab Bandung : Griya Cempaka Arum Blok.B3 No.39, Jl. Amarbin Yasir Rancanumpang. Tel : 0856-5990-5904

Cab Padang : Filano Tahap 4 Blok.1 No.6 Tel: 0852-7465-3867

If you need to know the intended use of the product, precautions and contraindications, please refer to the instructions. This material is intended for academic exchange and training of professionals only.





For health care professionals only