

CE



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BGA-2000 series

Blood Gas and Electrolyte Analyzer

BGA-2000 Blood Gas and Electrolyte Analyzer

BGA-2100 Electrolyte Analyzer

BGA-2200 Blood Gas Analyzer

Application

Blood gas electrolyte analyzer includes blood gas measuring items (PH, PCO₂, PO₂), electrolyte measuring items (Na⁺, K⁺, Cl⁻, Ca²⁺). It is used to detect partial pressure of Carbon Dioxide (PCO₂), and partial pressure of Oxygen (PO₂) value.

Clinical Dept.

ICU, Examination Dept., Respiration Medicine Dept., Pediatrics ICU, Neurosurgery, Cardiology Dept., Anesthesia Dept., Surgical Dept., Emergency Dept., etc.

Technical Data

Sample	whole blood 150μl
Test Method	automatic sampling
Testing time	50s
Printer	build-in thermal printer
Display screen	8" TFT colorful LCD touch screen
Storage	≥5000 test results
Interfaces	RS232
Power supply	100V~ 240V , 47Hz~ 63Hz



Model	Measurement Items	Calculation Parameters
BGA-2000	PH, PCO ₂ , PO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺	PH(TC), PCO ₂ (TC), PO ₂ (TC), HCO ₃ , SBC, BE, Beecf, TCO ₂ , SO ₂ %, P50, A-Ado ₂ , RI, Tca, nCa
BGA-2100	PH, TCO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺	PCO ₂ (TC), TCa, nCa
BGA-2200	PH, PCO ₂ , PO ₂	PH(TC), PCO ₂ (TC), PO (TC), HCO ₃ , SBC, BE, Beecf, TCO ₂ , SO ₂ %, P50, A-Ado ₂ , RI

Features

1. Multi- function Detection

Besides for the detection of blood gas, it also has option to test electrolyte items K⁺, Na⁺, Cl⁻, and Ca²⁺, allowing for multi - function detection.

2. Advanced Technology

Solid electrode technology

Liquid calibration technology

Wet measurement mode, with good repeatability and high accuracy

3. Cost-effective

Cartridge type reagent package

4. Easy Operation

8" colorful graphical touch screen operation

Each measurement channel can be used separately.

A) 24 hours continuous working, make sure of detection in time.

B) Sampling system washed automatically, avoid blocking.

Measurement Range

Item	Reference Range	Linearity Range
K ⁺	3.5 - 5.5 mmol/L	1.60 - 7.50 mmol/L
Na ⁺	135 - 145 mmol/L	100 - 180 mmol/L
Cl ⁻	96 - 108 mmol/L	85 - 150 mmol/L
Ca ⁺⁺	1.1 - 1.4 mmol/L	1.50 - 3.00 mmol/L
PH	7.35 - 7.45	3.000 - 12.0000
PO ₂	60 - 100 mmHg	0 - 800.0 mmHg
PCO ₂	35 - 45 mmHg	2.0 - 200.0 mmHg