

# Blood Gas & Electrolyte Analyzer

## ES-BGE800 Series

### Features:

- ①. 10.4" TFT touch screen
- ②. Infrared human-dector
- ③. Easy to use, fast data input
- ④. Cost-saving standby mode
- ⑤. Rich data management
- ⑥. Flexible and simple calibrants cartridge
- ⑦. Friendly operation interface



### Models:

**ES-BGE800** : pH(CH), pCO<sub>2</sub>, pO<sub>2</sub>, K, Na<sup>+</sup>, Cl<sup>-</sup>, Ca<sup>++</sup>, Hct, B.P.

**ES-BGE800A** : pH, pCO<sub>2</sub>, pO<sub>2</sub>, Hct, B.P.

### Measured Parameters:

Test Items	Measuring Range	Unit
pH(CH)	6.000~9.000	pH scale
pCO <sub>2</sub>	1.607~26.67	kpa
	8.0~200.0	mmHg
pO <sub>2</sub>	0~106.7	kpa
	0~800.0	mmHg
K	0.5~15.0	mmol/L
Na <sup>+</sup>	20.0~200.0	mmol/L
Cl <sup>-</sup>	20.0~200.0	mmol/L
Ca <sup>++</sup>	0.3~5.0	mmol/L
Hct	12.0~65.0	%
B.P.	500~800	mmol/L

Derived(Calculated) Parameters	
pH(TC)	pH Temperature Corrected
pCO <sub>2</sub> (TC)	pCO <sub>2</sub> Temperature Corrected
pO <sub>2</sub> (TC)	pO <sub>2</sub> Temperature Corrected
TCO <sub>2</sub>	Total Carbon Dioxide
HCO <sub>3</sub>	Actual Plasma Bicarbonate
BEb	Base Excess in Blood
BEecf	Base Excess Inextra Cellular Fluids
SBC	Standard Bicarbonate
sO <sub>2</sub> %	Calculated Oxygen Saturation Percentage
Ca <sup>++</sup> (7.4)	Ionized Calcium Normalized" to pH 7.4
TCa	Total Calcium Content
AG	Anion Gap
RI	Respiratory Index
AaDO <sub>2</sub>	Alveolar Artillery Oxygen Gradient
O <sub>2</sub> SAT	Oxygen Saturation
tHb(c)	Hernoglobin (Calculated)

Model	
Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Input Parameters	Patient Temperature,Hemoglobin,FiO <sub>2</sub> ,Barometric pressure
Analysis Time	< 90s
Sample Volume	120ul (whole blood),50ul (capillary blood)
Calibration	Automatic, One-point and Two-point
Data Storage	More than 5000 Results
Display	10.4" TFT Touch Screen
Battery	24V Ni-MH battery, 3.0Ah
Printer	Build in Thermal Printer
Barcode Reader	Multiple Kinds Barcode Type
Interface	Serial Line RS-232
	TCP/IP Interface
	USB Port
	Integrated Bar-code Reader
Working Temperature	15°C~30°C
Storage Environment	5°C~45°C
Power Supply	100-240V~50/60Hz
Package Size(W*D*H)	920*650*610mm(Main instrument), 586*460*380mm(Reagent)
Gross Weight	58.2kg(Main instrument), 9.7kg(Reagent)