

I-SMART 300

BLOOD GAS ANALYSER

The i-Smart 300 Blood Gas Analyser delivers critical patient results quickly and simply, with minimal operator interaction. Clinicians can implement patient therapy sooner than before as testing can be conducted anywhere.

Maintenance Free

- ▶ Proven quality through the previous Electrolyte Analyser
- ▶ Disposable Cartridge contains all sensors, reagents, waste bag, tubing and sample probe
- ▶ Replacing a cartridge is all you have to do for maintenance

Simple Operation

- ▶ Requires small sample size, ideal for all patient types
- ▶ Analyses syringe and capillary samples without adaptors
- ▶ Small portable and weighs less than 7.1 kg

System Connectivity

- ▶ On-board QC program calculates and stores data
- ▶ Seamless integration with your LIS/HIS via standard ASTM interface protocol

Operating parameters

Measuring range

- ▶ pH : 6,500 ~ 8,000
- ▶ pCO₂ : 5.0 ~ 150.0 mmHg
- ▶ pO₂ : 5 ~ 700 mmHg
- ▶ cNa⁺ : 80 ~ 200 mmol/L
- ▶ cK⁺ : 1.0 ~ 20.0 mmol/L
- ▶ cCa²⁺ : 0.25 ~ 5.00 mmol/L
- ▶ cCl⁻ : 50~150 mmol/L
- ▶ Hct : 10~70%

Derived parameters

- ▶ pH(T), pCO₂(T), pO₂(T), ctCO₂
- ▶ cHCO₃⁻, cHCO₃⁻(std), BE(ecf),
- ▶ BE(B), Anion gap(K), ctHb,
- ▶ Ca⁺⁺(7.4), pO₂(A-a)

Sample type

- ▶ Heparinized whole blood

Sample volume

- ▶ 80 µl

Sample analysis time

- ▶ 50 seconds

