SENSA CORE®

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ST-200CC®

Ultra Smart

ABGEM Blood Gas Analyzer

Analyzer's
Advantages

- Minimal Maintenance
- Easy to Operate
- Economical
- Accurate Results

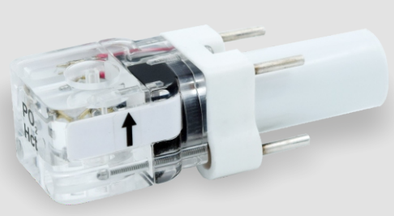
SENSA CORE®

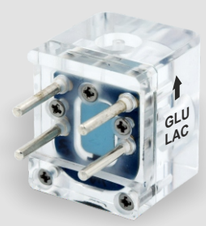
Features

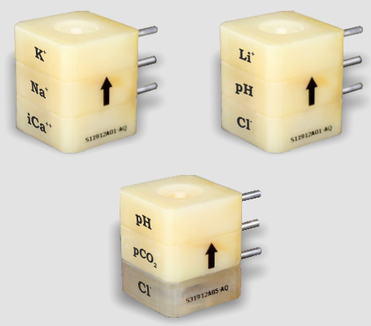
ST-200CC® Ultra Smart
ABGEM Blood Gas Analyzer

- Aspirate 1 sample and acquire 27 different results.

  Blood gas : pH, pCO_2, pO_2, Hct.
  Electrolytes : Na, K, iCa, Li, pH, Cl.
  Metabolites : GLU, LAC.
  Calculated Parameters : Hb, HCO_3, BE, BE-B, BE-ECF, TCO_2, AG, AG(K), O_2 Sat, O_2 Ct, SBC, nCa, TCa, pO_2%, A, $AaDO_2$, a/A.
- Levey-Jennings chart for NABL and seamless integration to LIS (Lab information system).
- Numeric & alpha numeric input option with 15 digit operator and patient ID.
- Self probe wiping facility with 3 different aspiration modes (sample tube, sample syringe & capillary).
- The result can be recalled by Date, Patient ID, Patient name, by parameters etc.
- External mouse & keypad interfacing option.
- 10 inch high definition LCD with capacitive touch screen.
- Single Reagent pack for all 16 combinations.
- Integrated Parameter conversion functionality.
- Single touch calibration for new reagent pack.
- Maximum 1,00,000 sample storage capacity.
- Optional battery backup & much more.
- Internal barcode scanner.
- Excellent precision and reliability.
- USB output port. (USB 2.0)
- Extremely low cost per test.
- Multilingual support.







Specifications

Internal Barcode Scanner

External Interfacing

Keyboard and Mouse

Principle	:	Direct measurement with ion selective electrode (ISE), Impedence (Hct) and Amperometry (pO_2, GLU, LAC).
Reading time	:	60 seconds.
Parameters	:	This functionality allows the change of analytes.
Sample Type	:	Whole blood, serum, plasma, CSF and diluted urine.
Conditioning	:	Temperature: 10°C - 30°C, <85% moisture.
Display	:	10 inch high definition LCD with capacitive touch.
Print	:	2 inch 24 column thermal printer.
Input voltage	:	100/115-V AC, 50-60 Hz (or) 220V AC, 50-60 Hz, 0.75 amp.
Dimensions	:	12.8" W x 17.3" H x 10.6" D, Weight: 7.55 kg.
OS	:	Android.
Analysis Speed	:	60 Seconds.
Sample volume	:	100µL (Capillary/Micro Mode).
Battery	:	Optional support for 4 hours.
Storage	:	1,00,000

ABGEM	ABGM	ABGE	ABG	ELECTROLYTE											
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
pO_2 Hct	pO_2 Hct	pO_2 Hct	pO_2 Hct	B	B	B	B	B	B	B	B	B	B	B	B
K	K	K	B	K	K	K	K	K	K	K	K	K	K	K	K
Na	Na	Na	B	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
iCa	iCa	iCa	B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	B	B
pH	pH	pH	pH	pH	pH	Li	Li	pH	Li	pH	Li	B	B	B	B
pCO_2	pCO_2	pCO_2	pCO_2	HCO_3	HCO_3	pH	B	B	pH	B	B	B	B	B	B
Cl	Cl	Cl	Cl	Cl	Cl	Cl	Cl	Cl	B	B	B	Cl	B	Cl	B
GLU LAC	LAC	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2			Parameter Combinations											

Parameter	Measuring Range Blood	Measuring Range Urine
Na+	20.0 - 250.0 mmol/L	25.0 - 1000.0 mmol/L
K+	0.20 - 40.0 mmol/L	1.0 - 500.0 mmol/L
Cl-	25.0 - 200.0 mmol/L	25.0 - 500.0 mmol/L
iCa++	1.0 - 20.0 mg/dL	***
Li+	0.2 - 5.0 mmol/L	***
pH	5 - 9	***
pO_2	10 - 750 mmHg	***
pCO_2	5 - 120 mmHg	***
TCO_2	5 - 50 mmol/L	***
Hct	10 - 70 %	***
HCO_3	5 - 50 mmol/L	***
GLU	20 - 800 mg/dL	***
LAC	0.1 - 24 mmol/L	***