

ST-200 aQua[®]

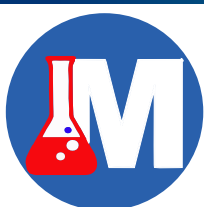
Electrolyte Analyzer



Sensa Core's ST-200 aQua Electrolyte Analyzer is completely automated, microprocessor controlled electrolyte system that uses current ISE technology to make electrolyte measurements. The ST-200 aQua product measures various combinations of Sodium, Potassium, Ionized Calcium, Lithium, pH and Chloride in whole blood, serum, plasma, CSF and diluted urine.

SENSA[®]CORE

- + Measuring Time 50 Seconds
- + Extremely low cost per test.
- + Minimal Sample Volume (100µL)
- + Long Life, Maintenance free Electrodes



Microbiology E.A. Ltd
...Redefining Point of Care Testing...

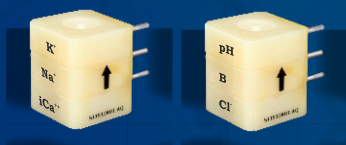
Garden Estate, Garden Court Rd, Nairobi

☎ 020 790 5150 (Hotline)

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Features

- Dispense 100 µL sample and acquire 8 different Critical Care results.
Electrolytes : Na⁺, K⁺, iCa⁺⁺, Li⁺, pH, Cl⁻.
Calculated Parameters : nCa, TCa
- Multilingual support.
- Levey-Jennings chart for NABL and seamless integration to LIS (Lab information system).
- 7 inch high definition LCD with capacitive touch display.
- Excellent precision and reliability.
- Integrated Parameter conversion functionality.
- One single Reagent Pack with all 10 combinations.
- Numeric & alpha numeric input option with 15 digit operator & patient ID.
- External barcode scanner, mouse & keypad interfacing option.
- Self-calibration once new reagent pack is installed.
- Maximum 1,00,000 samples storage capacity.
- The result can be recalled by Date, Patient ID, Patient name, by parameters etc.
- Extremely low cost per test.
- Two USB output ports. (USB 2.0)
- Optional battery backup & much more.



Parameter	Measuring Range Blood	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na ⁺	20.0 - 200.0 mmol/L	< 1.0%	25 - 1000 mmol/L	< 5.0%
K ⁺	0.2 - 40.0 mmol/L	< 2.0%	1.0 - 500 mmol/L	< 5.0%
Cl ⁻	25.0 - 200.0 mmol/L	< 1.0%	25 - 500 mmol/L	< 5.0%
iCa ⁺⁺	0.1 - 6.0 mmol/L	< 2.0%	50 - 1000 mmol/L	< 5.0%
Li ⁺	0.2 - 5.0 mmol/L	< 2.0%	***	***
pH	6.5 - 8.0	± 0.03	***	***

Specifications

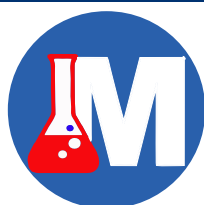
1. Principle : Direct measurement with ion selective electrode (ISE).
2. Parameters : This functionality allows the change of analytes.
3. Sample Type : Whole blood, serum, plasma, CSF and diluted urine.
4. Sample volume : 100 µL
500 µL for diluted urine
5. Reading time : 50 Seconds
6. Speed : 60 Samples / hour
7. Storage : 1,00,000 Samples
8. Conditioning : Storage & Operating Temperature 5°C to 40°C (41°F to 104°F)
Relative humidity 10-90%
9. Display : 7 inch high definition LCD with capacitive touch.
10. Print : 2 inch 24 column thermal printer.
11. Input voltage : 100-240V AC, 50/60Hz, 1.4A
12. Dimensions : 15.1" W x 13.2" H x 8.7" D,
Weight: 4.3 kg (without pack).
13. Battery : Optional (2 hours in standby mode).
14. OS : Android. (WiFi enabled application up-gradable)

Electrolyte Analyzer Models

Electrode Parameters

BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
K	K	K	K	K	K	K	K	K	K
Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa
B	B	B	B	Li	pH	Li	pH	Li	Li
B	B	B	B	B	B	B	B	B	pH
B	Cl	B	Cl	B	B	B	Cl	Cl	Cl
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

Parameter Combinations



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