



BANDARU BIO MEDICALS

SENSA CORE
Healthcare and Diagnostic Products

ST-200CL[®] Plus **Electrolyte Analyzer**



RELIABLE **E** **ASY TO USE**
ASY TO AFFORD



India's First Arterial Blood Gas Analyzer

Features

- ★ Compact, Economical and Easy to use
- ★ Excellent precision and reliability
- ★ Long life, maintenance-free electrodes
- ★ Automatic sampling, probe wiping and calibration
- ★ Intelligent reagent pack with electronic chip
- ★ Optional battery backup
- ★ Extremely low cost per test
- ★ High precision pump with more durable tubing

ST-200CL[®] Plus

Electrolyte Analyzer

| Parameter | Measuring Range Blood | Reproducibility (CV%) | Measuring Range Urine | Reproducibility (CV%) |
|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Na ⁺ | 20.0 - 250.0 mmol/L | < 1.0% | 25.0 - 1000.0 mmol/L | < 5.0% |
| K ⁺ | 0.20 - 40.0 mmol/L | < 2.0% | 1.0 - 500.0 mmol/L | < 5.0% |
| Cl ⁻ | 20.0 - 200.0 mmol/L | < 1.0% | 25.0 - 500.0 mmol/L | < 5.0% |
| iCa ⁺⁺ | 0 - 10.0 mmol/L | < 2.0% | *** | *** |
| Li | 0 - 10.0 mmol/L | < 2.0% | *** | *** |
| pH | 5 - 8 | < 2.0% | *** | *** |

Specifications

- Principle : Direct measurement with ion selective electrode (ISE).
- Parameter conversion : This functionality allows quick change of analyte.
- Sample : Whole blood, serum, plasma, CSF and diluted urine. for diluted (1:5) urine 500 micro liter.
- Sample Volume : 140 micro liter.
- Measuring time : 60 sec.
- Throughput : 55 Samples / Hour .
- Data Storage : 10,000 Sample, 250 Urine, 100 QC.
- Ambient conditions : Temperature: 5°C - 40°C , <85% non-condensing humidity.
- Output : 128x64 graphics display with Y/N numeric keypad, 24 column thermal printer, Serial USB port.
- Input voltage : 100/115-VAC, 50-60 Hz or 220-VAC, 50-60 Hz, 0.75 amp.
- Size & Weight : 15.1" W x 13.2" H x 7.5" D, 4 kg.
- Battery : Optional for 2 hours backup.



Electrolyte Analyzer Models

Electrode Parameters

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

Note: Please Arrange The Electrodes As Per The Parameter Selection

8 Parameters for 5 Channels Analyzer