



EdgeLabs

Diagnostic excellence to enhance life

An ISO 13485 : 2016 Certified Company

EdgeLyte⁺

Electrolyte Analyzer (Na⁺ /K⁺/Cl⁻/Ca²⁺/pH)



LIFETIME
FREE
ELECTRODES

- Based on ISE Multi-biosensor technology
- Multi-biosensor module system for Na⁺, K⁺, Cl⁻, Ca²⁺ & pH detection in human blood/serum/urine specimen
- LIS, HL7 & RS232 port support for external interface in high workload labs



ISE based multibiosensor technology provides maintenance-free electrode



Higher throughput get sample results within 35 seconds!



On-display flags for abnormal results and different error alerts



Durable Ceramic Rotary Valve for continuous and smooth flow of reagent distribution



Various auto calibration & standby modes available : 2 hour, 4 hour and **8 hour!**



Multilevel QC & Calibrator for higher results accuracy



User friendly software operation and quick troubleshooting



Up to 1000 sample data storage, easy to review



Closed reagent pack, easy to replace

Specifications

- **Principle:** Direct Ion Selective Electrode (ISE)
- **Method:** Advanced Multi Biosensor Technology
- **Parameters:** Na⁺/K⁺/Cl⁻/Ca⁺/pH
- **Convertible Mode for Ca²⁺:** mmol/L ⇌ mg/dL
- **Sample Analysis Mode:** Serum, Whole Blood & Urine
- **Measurement Time:** 35 Seconds/sample
- **Sample Volume:** 150 µl - 200 µl
- **Calibration:** Automatic & Manual both
- **Standby/Auto Calibration Frequency:** 2 hours, 4 hours and 8 hours
- **Display:** Dot Matrix LCD
- **Printer:** Inbuilt Thermal Printer
- **Data Storage Capacity:** Up to 1000 sample results
- **External Connectivity:** RS232 port support, external barcode reader and LIS/HL7 system support
- **Reagents pack size:** 1270 ml
- **Control & Calibration:** 3-Level, manual & automatic calibration



Linearity & Accuracy

Parameter	Linearity Range (mmol/L)	Accuracy (CV)	Resolution (mmol/L)
K ⁺	0.50 - 20.00	≤ 1.0 %	0.01
Na ⁺	15-200.00	≤ 1.0 %	0.1
Cl ⁻	15-200	≤ 1.0 %	0.1
Ca ⁺	0.10-6.00	≤ 1.5 %	0.01
pH	4.00-6.00	≤ 1.5 %	0.01

- ▶ **Power Requirement: Voltage:** (100-240V~) ±10%, **Input power:** 100-120VA, **Frequency:** (50Hz/60Hz) ±1Hz.
- ▶ **Environmental Condition:** Room temperature, 15 °C - 35 °C
- ▶ **Relative Humidity:** 15% - 85%, **Atmospheric Pressure:** 70 kPa-110 kPa
- ▶ **Weight:** 5 Kg
- ▶ **Dimension (L X W X H):** 340mm x 240mm x 405mm

