



Electrolyte Analyzer LB-10ELA

Overview

Electrolyte Analyzer LB-10ELA supports whole blood and urine testing with a 160 μL sample volume, ensuring accurate and efficient electrolyte analysis. It utilizes the Ion Selective Electrode (ISE) method, providing accurate and ion-specific analysis. It features an integrated pilot lamp, ensuring clear indication of sample position and reagent liquid levels. Our analyzer has colourful touchscreen display, enabling precise monitoring and control.

Specifications :

Test Parameters	K^+ , Na^+ , Cl^- , Ca^{2+} , pH, TCO_2
Calculated Parameters	nCa, TCa, AG
Measuring Method	Ion Selective Electrode Method
Blood Measuring Range	K^+ - 0.50 to 15.00 mmol/L Na^+ - 30.0 to 200.0 mmol/L Cl^- - 30.0 to 200.0 mmol/L Ca^{2+} - 0.10 to 5.00 mmol/L pH - 4.0 to 9.0 mmol/L TCO_2 - 4.0 to 70.0 mmol/L
Blood Accuracy	K^+ , Na^+ , Cl^- : $\leq \pm 3.0\%$ Ca^{2+} : $\leq \pm 5.0\%$ or 0.05 mmol/L pH: ≤ 0.15 TCO_2 : ≤ 3.0 mmol/L
Blood Precision	K^+ , Na^+ , Cl^- : $\leq 1.5\%$ Ca^{2+} : $\leq 1.5\%$ pH: $\leq 1.0\%$ TCO_2 : $\leq 3.0\%$

Urine Measuring Range	K ⁺ - 5.0 to 150.0 mmol/L Na ⁺ - 30.0 to 200.0 mmol/L Cl ⁻ - 10.0 to 300.0 mmol/L
Urine Accuracy	K ⁺ , Na ⁺ , Cl ⁻ : ≤ ±3.0% Ca ²⁺ : ≤ ±5.0% or 0.05 mmol/L pH: ≤ 0.15 TCO ₂ : ≤ 3.0 mmol/L
Urine Precision	K ⁺ , Na ⁺ , Cl ⁻ : ≤ 1.5% Ca ²⁺ : ≤ 1.5% pH: ≤ 1.0% TCO ₂ : ≤ 3.0%
Measuring Time	≤100 seconds
Sample Capacity	160 μL
Sample Type	Whole Blood and Urine
Sampling Method	Automatic
Operating Temperature Range	15°C to 30°C
Humidity Level	≤85%
Display	Colorful touchscreen display
Data Storage	Yes
Power Consumption	50 W
Power Supply	AC 220V ± 22 V or AC 110V ± 11 V /, 50-60Hz
Product Dimension	408 × 390 × 230 mm
Weight	8 kg

Features :

Sample pump calibration

Automatic sampling

Air bubble detection
Automatic flushing
Solenoid valve system
User-friendly interface
Automatic calibration
Data storage capability

Standard Accessories :

Bottle Cap × 3 pcs
Waste Reagent Cap × 1 pc
Waste Reagent Bottle × 1 pc
Pump Pipe × 2 pcs
Seal Ring of Reagent-Supply Port × 3 pcs
Printer Paper × 2 rolls
Nylon Fiber (500mm, ϕ 0.6) × 1 pc
Spare Pipe (500mm, ϕ 1.2) × 1 pc
Spare Pipe (500mm, ϕ 1.5) × 1 pc
Spare Pipe (160mm, ϕ 1.0) × 1 pc
2m Ground-Wire × 1 pc
Cable × 1 pc
Sampler System × 1 Set
Sample Cup × 50 pcs
Sample Turntable × 1 pc
Chassis of Sampler System × 1 pc
Pump Roller for Sample Pump × 5 pcs
Pump Roller Lube (1.5ml/piece) × 1 pc

Optional Accessories :

Reagent	Volume
Reagent A	400 ml/bottle
Reagent B	200 ml/bottle
Electrode Activation Reagent	10 ml/bottle

Electrode Deproteinization Reagent	10 ml/bottle
R Reaction Reagent	200 ml/bottle
C Calibration Reagent	15 ml/bottle

Applications :

Electrolyte Analyzer LB-10ELA is used for accurate measurement of key electrolytes in whole blood and urine. It is widely utilized in hospitals, clinical laboratories, emergency units, and biochemical research facilities.



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