KIVO Lyte

Electrolyte Analyzer

Ion Selective Electrode (ISE) Method

Kivo Lifesciences Pvt. Ltd.

Electrolyte Analysis at it's best



Features

Sample Processing: Dispenses 120 µL and acquire 8 different critical care parameters, including Na+, K+, iCa++, Li+, pH, Cl-, nCa, TCa.

Efficient Design: Compact, cost-effective, and user-friendly for seamless operation.

Precision Assurance: Delivers accurate, reliable results consistently.

Durable Electrodes: Long-lasting, maintenance-free electrode blocks.

Parameter Conversion: Automatically converts test parameters internally.

Reagent Compatibility: Single pack supports all 10 test configurations.

Smart Reagent: Includes electronic chip for enhanced functionality.

Cost Efficiency: Provides low-cost testing per sample.

Power Backup: Optional battery ensures operational continuity.

KEY ATTRIBUTES

- Sleek Portable Model (Requires very less space for Installation)
- Rust Resistent Metal Body
- Sample Type: Compatible with whole blood, serum, plasma, cerebrospinal fluid (CSF), and diluted urine.
- Calibration - Fully Automatic,
  1-point with every sample
  2-point every 6-12 hours
- Sample measuring time as low as 55 Seconds per test
- Easy Operation by Key Pad
- Minimal Sample Volume (120µL)

CE IVD ISO 9001 ISO 13485

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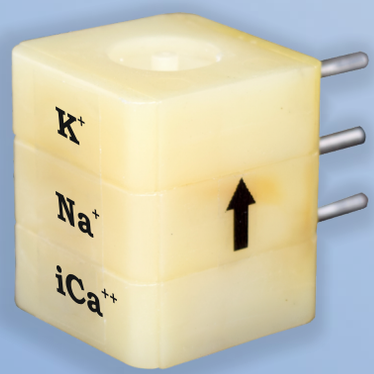
Specifications

Principle: Uses direct measurement with ion-selective electrodes (ISE) for accurate and reliable results.

Parameters: Allows changing of analytes, providing flexibility in testing.

Sample Type: Compatible with whole blood, serum, plasma, cerebrospinal fluid (CSF), and diluted urine.

Sample Volume: Requires 120 µL for whole blood, serum, plasma, CSF, and 500 µL for diluted urine.



Analysis Time: Provides results in 55 seconds, ensuring quick diagnostics.

Throughput: Capable of processing 55 samples per hour, enhancing laboratory efficiency.

Data Storage: Can store data for 10,000 samples, 250 urine samples, and 100 quality control (QC) samples.

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%	***	***
Li^+	0.2 - 5.0 mmol/L	< 2.0%	***	***
pH	6.5 - 8.0	± 0.03	***	***

Ambient Condition: Operates within a temperature range of 5°C to 40°C and relative humidity of 10-90%.

Display: Equipped with a 128 x 64 graphics display and an alphanumeric keypad for easy operation.

Connectivity: Includes a USB Type B port for integration with Laboratory Information Systems (LIS).

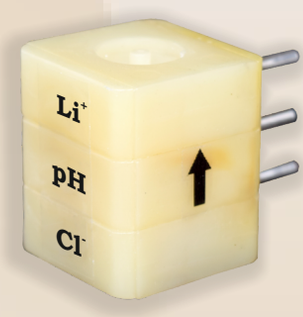
Print Out: Features a built-in 2-inch, 24-column thermal printer for convenient printing of results.

Power Supply: Operates on 100-240V AC, 50/60Hz, 1.4A, suitable for various power conditions.

Size & Weight: Measures 9" W x 15.7" H x 12.6" D and weighs 5.4 kg (without reagent pack), making it compact and portable.

Battery: Optional battery backup provides up to 2 hours of operation in standby mode for uninterrupted testing.

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