











 Principal : Ion selective Electrode (ISE)	 Sample volume : ≤ 90μL
 Sample Types : Serum, Plasma, Whole Blood, Urine, CSF	 Analysis Time : ≤ 60 secs
 Parameters : Na ⁺ , K ⁺ , Cl ⁻ , iCa ⁺⁺ , Li ⁺ / pH	 Throughput : ≤ 60 samples per hour

 Calibration : Fully automatic Two-point calibration (every 4 hours or before analysis) One-point calibration per sample	 Normal Ranges : User-defined normal ranges Automatic abnormal result flagging
 Data Management : Stores calibration, sample, and control history for the last 30 days	 Quality Control : Tri-level quality control Levey-Jennings (LJ) plots for the last 30 days

 Display : 8" color LCD touchscreen Resolution: 800 × 600 pixels	 Operating Conditions : Temperature: 15°C – 35°C Relative humidity: 5% – 85% (non-condensing)
 Printer : Built-in 2" (48 mm) thermal printer Prints up to 42 characters per line	 Power Supply : 100-240 VAC, 50/60 Hz
 Connectivity : USB ports for keyboard, barcode scanner, and pen drive	

 Physical Specifications :	 Precision :												
<ul style="list-style-type: none"> * Dimensions: 265 × 185 × 285 mm * Analyzer weight: Approx. 4.5 kg * Data storage: Up to 100,000 results (without Erai Snap) * Auto sampler weight: Approx. 1.8 kg * Footprint size: 230 × 230 mm 	<table border="1"> <thead> <tr> <th colspan="2">CV % -</th> </tr> </thead> <tbody> <tr> <td>Na⁺</td> <td>≤ 1.5%,</td> </tr> <tr> <td>K⁺</td> <td>≤ 1.5%,</td> </tr> <tr> <td>Cl⁻</td> <td>≤ 1.5%,</td> </tr> <tr> <td>Ca⁺⁺</td> <td>≤ 2%,</td> </tr> <tr> <td>pH</td> <td>≤ 1%,</td> </tr> </tbody> </table>	CV % -		Na ⁺	≤ 1.5%,	K ⁺	≤ 1.5%,	Cl ⁻	≤ 1.5%,	Ca ⁺⁺	≤ 2%,	pH	≤ 1%,
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* Optional Barcode reader available.

Erai LYTE3450

AUTO ELECTROLYTE ANALYZER 全自動電解質分析装置



5 Parameters Measured Simultaneously

Na⁺ 40 - 205	K⁺ 1.5 - 15	Cl⁻ 50 - 200	iCa⁺⁺ 0.2 - 5.0	Li⁺ 5.0 - 9.0	pH 5.0 - 9.0
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Calculated Parameters: Total Calcium & Normal Calcium

Key Features

- * Auto Probe wipe
- * Reagent Locking system
- * Ion Selective Principle

Optional Features

- * Auto Sampler with 32 positions (Optional)
- * 5 STAT Positions
- * 1 Reserved position for Deproteinizer
- * Barcode Scanning for Sample (Optional)
- * Data transfer to USB drive

*Specifications are subject to change without the prior notice of manufacturer.



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ERMA INC.
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AUTO ELECTROLYTE ANALYZER

Advance Features

高度な機能

Erai Lyte3450 is a reliable, user-friendly solution for medium- to high-volume laboratories and hospitals. It ensures accurate and precise parameter measurement, supporting faster clinical decision-making

Main Menu

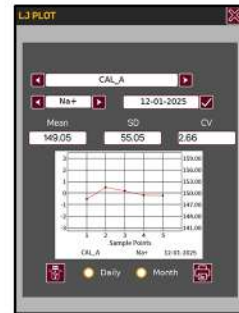
メインメニュー



- ✓ Large, high-resolution graphical display for easy operation
- ✓ Minimizes data entry errors through intuitive navigation
- ✓ User-friendly software with an interactive graphical interface
- ✓ Shortcut menu keys for faster and simplified operation

LJ Plot (Quality Control)

LJプロット(品質管理)



- ✓ Levey-Jennings plots for daily and monthly QC performance monitoring
- ✓ Supports laboratory accreditation and quality assessment requirements
- ✓ LJ plot printouts include mean, SD, and CV values
- ✓ QC graphs can be stored and exported via pen drive

Auto Analysis

自動分析機能



- ✓ Graphical display of auto sampler positions
- ✓ Run and pause functionality to add or remove samples during operation
- ✓ Supports up to 32 sample positions
- ✓ Compatible with two types of sample cups

Analysis System

分析システム



- ✓ Internal peristaltic stepper motor pump ensures accurate and precise aspiration
- ✓ Automatic flushing after every sample aspiration
- ✓ Delivers consistent, reliable, and accurate results

Simple Sample → To → Result work flow



Auto Loader

自動サンプルローダー



- ✓ All-in-One Reagent System Integrated reagent pack for multi-parameter electrolyte testing
- ✓ Supports up to 32 sample positions with inbuilt barcode reader
- ✓ Easy installation with stable, accurate performance and reduced handling errors

Erai Snap

エライスナップ



- ✓ All-in-One Reagent System Integrated reagent pack for multi-parameter electrolyte testing
- ✓ Supports up to 32 sample positions with inbuilt barcode reader
- ✓ Easy installation with stable, accurate performance and reduced handling errors

(Erai) Tritrol / Deproteinizer / IFS Solution / Urine Diluent

試薬



- ✓ Multi-Level Quality Control
Designed for routine quality control of electrolyte analyzers
- ✓ Ready-to-Use Format
Convenient, stable formulation for consistent daily use
- ✓ Reliable & Accurate Performance
Ensures precise monitoring of analyzer accuracy and stability
- ✓ Urine Diluent : Used for dilution of urine samples for quantitative electrolyte measurement
- ✓ Deproteinizer : Used for cleaning and routine maintenance of the electrolyte analyzer