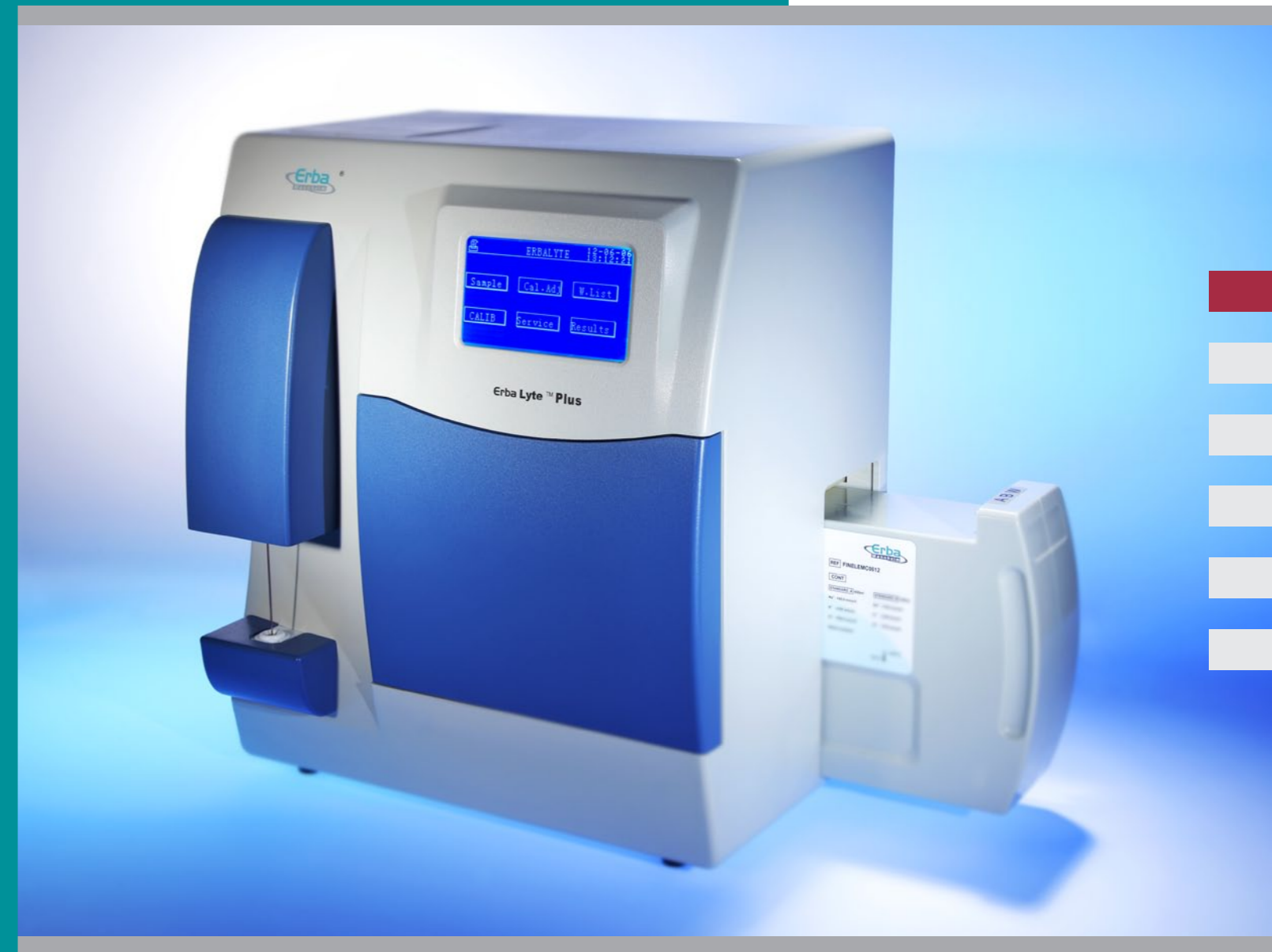




Product webpage

# Erba Lyte™

## ISE Electrolyte Analyzer



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Contact info / map

### Accurate and Convenient Critical Care Analysis



# Erba Lyte™

For accurate and convenient critical care analysis

The ERBA LYTE series of electrolyte analyzers are automated, microprocessor controlled analytic analyzers that use ISE (Ion Selective Electrode) technology for the measurement of ions - potassium (K), sodium (Na), chloride (Cl), calcium (Ca), lithium (Li), pH and HCO<sub>3</sub><sup>-</sup> (CO<sub>2</sub>) in human body fluids.

- Touch screen LCD
- Onboard inventory management
- Visual icons for low reagent level
- Low cost / test
- Closed reagent cartridge to avoid contamination
- Reusable reaction cuvettes
- User friendly software
- Long life electrodes
- Standby mode
- Auto sampler (optional)
- Series of combination available

The analyzer consists of electrochemical sensors, pressure sensors, microprocessor system, control system, auto sampling system, auto washing system and reagent kits including standard A, standard B, and other standards, where required.



## TECHNICAL SPECIFICATIONS:

Principle: Direct measurement by Ion Selective Electrode (ISE)  
 Throughput: 60 samples / hour  
 Sample type: Whole Blood, Serum, Plasma, Diluted Urine  
 Sample volume: 150ul  
 Measuring range:

Analyte	Measuring range	Precision (CV%)
K <sup>+</sup>	0.50 - 15.0 mmol/L	≤ 1.0%
Na <sup>+</sup>	30.0 - 200.0 mol/L	≤ 1.0%
Cl	30.0 - 200.0 mol/L	≤ 1.0%
Ca <sup>++</sup>	0.10 - 5.00 mmol/L	≤ 2.0%
Li <sup>+</sup>	0.20 - 3.00 mmol/L	≤ 3.0%
pH	4.00 - 9.00 unit	≤ 1.0%

Calibration: 1 point or 2 point calibration at adjustable time interval  
 Data input: Touch screen  
 Display: Large LCD with backlight  
 Data storage: Up to 200 patient results  
 Printer: Built-in thermal printer  
 Quality control: Facility to run 2 level of Q.C. statistic report with Mean, SD and CV% for daily or monthly Q.C.

Reagents: Closed reagent module containing calibration solutions and waste chamber  
 Audible and visual: Beep sound for completion of sample aspiration  
 Alarms: Visual alarms for reagent inventory:  
 📄 icon indicates the remaining reagents can run about 150 samples  
 📄 icon indicates the remaining reagents can run about 20 samples  
 🗑️ icon indicates the remaining reagents are run out

Communication: RS 232 serial port  
 Ambient temp.: 15 - 32 °C  
 Relative humidity: ≤ 85%  
 Voltage input: AC 220 or 110V +/- 10%, 50/60 Hz  
 Power consum.: 60W  
 Weight: 10 kg (instrument only)  
 Opt. accessories: Auto Sampler, barcode reader

## Series of Erba Lyte models:

Erba Lyte Electrolyte analyzer with Na / K analytes  
 Erba Lyte Plus Electrolyte analyzer with Na / K / Cl analytes  
 Erba Lyte Li Electrolyte analyzer with Na / K / Li analytes  
 Erba Lyte Li + Electrolyte analyzer with Na / K / Cl / Li analytes  
 Erba Lyte Ca Electrolyte analyzer with Na / K / Ca / pH analytes  
 Erba Lyte Ca + Electrolyte analyzer with Na / K / Ca / Cl / pH analytes  
 Erba Lyte Pro Electrolyte analyzer with Na / K / CO<sub>2</sub> / pH analytes  
 Erba Lyte Pro + Electrolyte analyzer with Na / K / Ca / Cl / CO<sub>2</sub> / pH analytes