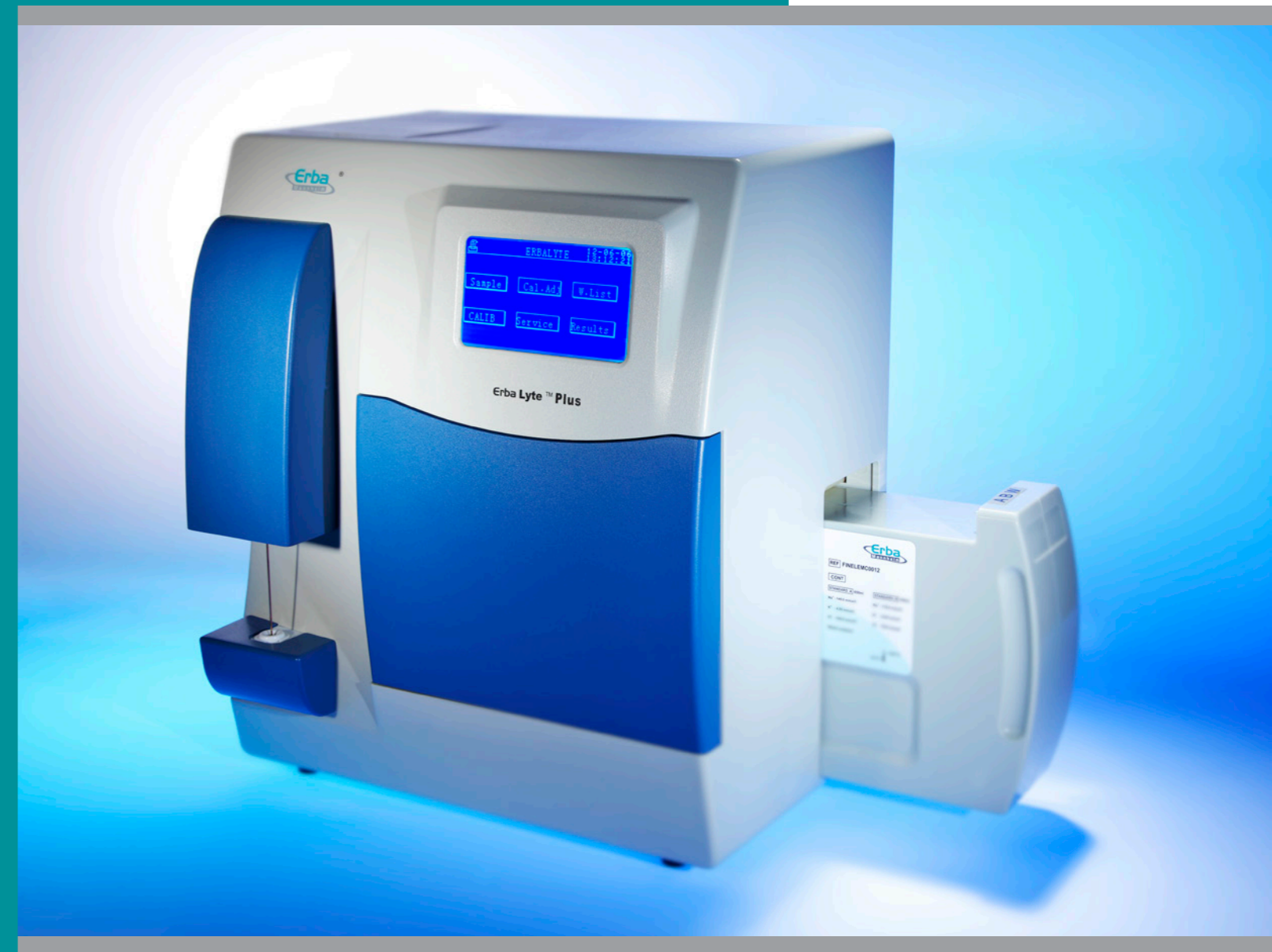# Erba Lyte™

Erba Mannheim

ISE Electrolyte Analyzer

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CERTIFIED
ISO 13485

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 HCO3- (CO2) 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+	0.50 - 15.0 mmol/L	≤ 1.0%
Na+	30.0 - 200.0 mmol/L	≤ 1.0%
Cl	30.0 - 200.0 mmol/L	≤ 1.0%
Ca++	0.10 - 5.00 mmol/L	≤ 2.0%
Li+	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 QC statistic report with Mean, SD and CV% for daily or monthly QC
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 ⁰C
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 / Cl / CO2 analytes
Erba Lyte Pro +   Electrolyte analyzer with Na / K / Ca / Cl / CO_2 / pH analytes