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:** 150 µl
- **Measuring range:**

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Measuring range</th>
<th>Precision (CV%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K⁺</td>
<td>0.50 - 15.0 mmol/L</td>
<td>≤ 1.0%</td>
</tr>
<tr>
<td>Na⁺</td>
<td>30.0 - 200.0 mmol/L</td>
<td>≤ 1.0%</td>
</tr>
<tr>
<td>Cl⁻</td>
<td>30.0 - 200.0 mmol/L</td>
<td>≤ 1.0%</td>
</tr>
<tr>
<td>Ca²⁺</td>
<td>0.10 - 5.00 mmol/L</td>
<td>≤ 2.0%</td>
</tr>
<tr>
<td>Li⁺</td>
<td>0.20 - 3.00 mmol/L</td>
<td>≤ 3.0%</td>
</tr>
<tr>
<td>pH</td>
<td>4.00 - 9.00 unit</td>
<td>≤ 1.0%</td>
</tr>
</tbody>
</table>
- **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 °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
- Erba Lyte Plus
- Erba Lyte Li
- Erba Lyte Li +:
- Erba Lyte Ca
- Erba Lyte Ca +
- Erba Lyte Pro
- Erba Lyte Pro +

Electrolyte analyzer with Na / K analytes
Electrolyte analyzer with Na / K / Cl analytes
Electrolyte analyzer with Na / K / Li analytes
Electrolyte analyzer with Na / K / Cl / Li analytes
Electrolyte analyzer with Na / K / Ca / pH analytes
Electrolyte analyzer with Na / K / Ca / Cl / pH analytes
Electrolyte analyzer with Na / K / Cl / CO₂ analytes
Electrolyte analyzer with Na / K / Ca / Cl / CO₂ / pH analytes