MEASURED PARAMETERS | RANGE | RESOLUTION
--- | --- | ---
Na⁺ | 100 - 160 mmol/L | 0.1 mmol/L
K⁺ | 1.0 - 9.5 mmol/L | 0.01 mmol/L
Cl⁻ | 65 - 140 mmol/L | 0.1 mmol/L
iCa | 0.3 - 2.0 mmol/L | 0.01 mmol/L
pH | 6.8 - 8.0 pH units | 0.001 pH units

OPERATING PARAMETERS
- Minimum Sample Size: 125 µL
- Sample Type: Whole Blood, Plasma, or Serum
- Sample Application: Syringe, or Sample Collection Tube
- Sample Input: Automatic Aspiration
- Time to Results: < 180 Seconds
- Ambient Temperature: 10°C - 32°C (50°F - 90°F)
- Relative Humidity: 5% - 95% (Non-Condensing)
- Available Languages: English, German, Spanish, French, Italian, Chinese.

SECURITY
- Password: Password Protected Analyzer Setup, Operation and Delete Functions
- QC Lockout: User Definable QC Lockout Functions
- Operator IDs: Storage for 200 Operator IDs (11 Digits) and Associated PIN (4 Digits)

MISCELLANEOUS
- Size: 124 H x 362 W x 230 D mm (4.7 H x 14.2 W x 14 D in)
- Weight: 3.6 kg (8 lbs)
- Voltage/Frequency: 120 or 240 AC/50-60 Hz
- Power Consumption (Max.): 110 VA
- Interface: Ethernet, Serial (ASTM or ASCII)
- Approvals: CE, UL, IVDD

OPTI LION
Electrolyte Analyzer with Optical Fluorescence Technology

To learn more, contact OPTI Medical today at 800.490.6784 or 770.510.4444 or visit our website at: www.optimedical.com

OPTI Medical Systems, Inc.
235 Hembree Park Drive
Roswell, Georgia 30076 USA
+1-770-510-4444 or 800-490-6784
www.optimedical.com

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Complete Electrolyte Panel In Minutes
The OPTI LION analyzer provides rapid, accurate results for five key analytes on a single disposable cassette - pH, Na+, K+, Cl⁻, and iCa. Perfect for quick results in the office or reference lab for those difficult patients.

Cost Effective Solutions
Implement the OPTI LION analyzer and receive significant return due to exceptionally low cost per test. There are no stand-by costs. No other reagents or consumables are necessary. See your profitability soar!

Decrease Downtime And Increase Efficiency
OPTI Medical offers a unique, patented optical fluorescent technology that completely eliminates electrodes, minimizing maintenance. This will increase the productivity in your laboratory and significantly reduce your operational cost.

Quality Compliance Made Easy
Audit trails are effortlessly accounted for with the OPTI LION analyzer’s QC lockout capability and user defined passwords. Regulatory inspections are now worry free with our intuitive operation and reduced training requirements.

Streamline Data Management
The OPTI LION analyzer has open connectivity through the RS232 Interface/Ethernet port at the rear of the instrument. It integrates easily with any HIS/LIS to seamlessly transfer and incorporate your lab data with other patient demographics.

You Deserve A Better Analyzer!
See the Light!
Complete Electrolyte Panel In Minutes
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Reusable Controls
Reusable QC cassettes eliminate the cost and workload associated with daily liquid quality control.

Single Use Cassettes
No standby costs; pay only for the test results you perform.

Color Touch Screen
Intuitive icons, step by step prompts, reducing training requirements.

Built-in Printer
Hard copy printout of patient test, QC and calibration results.

Automatic Sample Aspiration
With bubble detection - reduces pre-analytic sample errors.

Bar Code Scanner
Easily scan patient info, operator ID badges, and barcoded syringes.

Unique Cassette Design
Intuitive User Interface
Accepts Syringes or Tubes
Simplified QC Management

“Direct measure of iCa is indicated for assessing calcium status in trauma patients.”

“In a study of 237 critically ill surgical patients, calcium homeostasis should be evaluated by iCa measurements rather than by corrected Ca.”

“Among 97 patients with malignant disorders, iCa indicated hypercalcemia in 38% of patients, versus only 11% for corrected calcium and 8.4% for total calcium.”

pH and iCa...
...Putting it Together

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