EasyLyte®

Na⁺/K⁺
Na⁺/K⁺/Cl⁻
Na⁺/K⁺/Li⁺
Na⁺/K⁺/Ca²⁺/pH

Specifications

CLIA Classification:
Moderate Complexity

Sample Type:
Whole Blood, Serum, Plasma or Urine

Sample Size:
100 µL Whole Blood, Serum, Plasma, 60 µL capillary or 400 µL diluted (1:10) Urine

Method:
Direct measurement by Ion Selective Electrode (ISE)

Measurement Range:
Blood

Na⁺: 20 – 200 mmol/L
K⁺: 0.2 – 40 mmol/L
Cl⁻: 25 – 200 mmol/L
Li⁺: 0.2 – 5.0 mmol/L
Ca²⁺: 0.1 – 6.0 mmol/L
pH: 6.0 – 8.0 Units

Urine

Na⁺: 25 – 1000 mmol/L
K⁺: 1.0 – 500 mmol/L
Cl⁻: 25 – 500 mmol/L

Display Resolution:
Na⁺: 0.1 mmol/L
K⁺: 0.01 mmol/L
Cl⁻: 0.1 mmol/L
Li⁺: 0.01 mmol/L
Ca²⁺: 0.01 mmol/L
pH: 0.005 units

Analysis time (blood):
Na⁺/K⁺: 55 sec
Na⁺/K⁺/Cl⁻: 55 sec
Na⁺/K⁺/Li⁺: 55 sec
Na⁺/K⁺/Ca²⁺/pH: 60 sec

Analysis time (urine):
Na⁺/K⁺: 90 sec
Na⁺/K⁺/Cl⁻: 90 sec
Na⁺/K⁺/Li⁺: 90 sec
Na⁺/K⁺/Ca²⁺/pH: N/A

EasySampler:
Yes

Capillary Samples:
Yes

Data Storage:
Patient results — up to 128 samples
QC results — up to 20 each Normal, Low, and High

Calibration:
Automatic or On-Demand

Output:
128 x 64 pixel graphic display
24 column thermal printer
Serial port (RS-232), EasySampler port

Ambient Conditions:
15–32 oC (60–90 oF), <85% humidity

Power:
100-240 VAC 50/60 Hz, 0.8A

Size & Weight:
9.5"W x 16.5"H x 8.0"D (24 cm W x 42 cm H x 20 cm D) 13 lbs. (5.8 kg)

Emergo Europe, Prinsessegracht 20, 2514 A P, The Hague, The Netherlands
Medica Corporation, 5 Oak Park Drive, Bedford, MA 01730-1413 USA
medicacorp.com

Global
+1 781 275 4892
Fax
781 275 2731
EasyLyte®

easy inside and out

- **Easy to Use**
  
  Simple, menu-driven, Yes/No prompted operation
  Whole blood, serum, plasma or urine samples
  Results printed automatically in less than 60 seconds
  Automatic or on-demand calibration
  Automatic probe wiping

- **Easy to Maintain**
  
  All calibrants contained in convenient, disposable solutions pack
  All waste collected in solutions pack
  Disposable electrodes require no maintenance
  Modular design makes maintaining analyzer simple and fast

- **Easy to Afford**
  
  Low analyzer purchase price
  Low cost per test

- **Available in four models:**
  
  - *EasyLyte* \( \text{Na}^+ / \text{K}^+ \)
  - *EasyLyte PLUS* \( \text{Na}^+ / \text{K}^+ / \text{Cl}^- \)
  - *EasyLyte Lithium* \( \text{Na}^+ / \text{K}^+ / \text{Li}^+ \)
  - *EasyLyte Calcium* \( \text{Na}^+ / \text{K}^+ / \text{Ca}^{++} / \text{pH} \)
Specifications

(CLIA Classification: Moderate Complexity)

Sample Type: Whole Blood, Serum, Plasma or Urine

Sample Size:
- 100 µL Whole Blood, Serum, Plasma
- 60 µL capillary
- 400 µL diluted (1:10) Urine

Method: Direct measurement by Ion Selective Electrode (ISE)

Measurement Range:
- **Blood**
  - Na⁺: 20 – 200 mmol/L
  - K⁺: 0.2 – 40 mmol/L
  - Cl⁻: 25 – 200 mmol/L
  - Li⁺: 0.2 – 5.0 mmol/L
  - Ca²⁺: 0.1 – 6.0 mmol/L
  - pH: 6.0 – 8.0 Units

- **Urine**
  - Na⁺: 25 – 1000 mmol/L
  - K⁺: 1.0 – 500 mmol/L
  - Cl⁻: 25 – 500 mmol/L

Display Resolution:
- Na⁺: 0.1 mmol/L
- K⁺: 0.01 mmol/L
- Cl⁻: 0.1 mmol/L
- Li⁺: 0.01 mmol/L
- Ca²⁺: 0.01 mmol/L
- pH: 0.005 units

Analysis time (blood):
- Na⁺/K⁺: 55 sec
- Na⁺/K⁺/Cl⁻: 55 sec
- Na⁺/K⁺/Li⁺: 55 sec
- Na⁺/K⁺/Ca²⁺/pH: 60 sec

Analysis time (urine):
- Na⁺/K⁺/Cl⁻: 90 sec
- Na⁺/K⁺/Li⁺: 90 sec
- Na⁺/K⁺/Ca²⁺: N/A

Urine Mode:
- Yes

EasySampler:
- Yes

Capillary Samples:
- Yes

Data Storage:
- Patient results — up to 128 samples
- QC results — up to 20 each Normal, Low, and High

Calibration:
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Output:
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- 24 column thermal printer
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Ambient Conditions:
- 15–32 °C (60–90 °F), <85% humidity

Power:
- 100-240 VAC  50/60 Hz, 0.8A

Size & Weight:
- 9.5”W x 16.5”H x 8.0”D (24 cm W x 42 cm H x 20 cm D)
- 13 lbs. (5.8 kg)
EasySampler connects quickly to EasyLyte Na/K, Na/K/Cl, and Na/K/Li analyzers, enhancing laboratory performance.

- 21 sample positions
- Dedicated Stat position
- Normal/Abnormal QC positions
- Optional auto-repeat of out-of-range values

Self-contained Solutions Pack contains liquid calibrants and collects all waste, eliminating sample contact.

Capillary sampler is removable and disposable.

Pressing Yes or No buttons is all that is required to analyze serum, plasma or whole blood.

Internal printer prints patient results, calibration values, quality control data, and results summaries, flagging abnormal results.

Analyzer software insures ease of operation. Software computes quality control statistics, flags abnormal results, and monitors performance.

- Two button operation
- Automatic calibration
- User-friendly menu

Internal printer prints patient results, calibration values, quality control data, and results summaries, flagging abnormal results.

• Easy to Use
- Simple, menu-driven, Yes/No prompted operation
- Whole blood, serum, plasma or urine samples
- Results printed automatically in less than 60 seconds
- Automatic or on-demand calibration
- Automatic probe wiping

• Easy to Maintain
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- Low analyzer purchase price
- Low cost per test

Available in four models:
- EasyLyte Na+ / K+
- EasyLyte PLUS Na+ / K+ / Cl-
- EasyLyte Lithium Na+ / K+ / Li+
- EasyLyte Calcium Na+ / K+ / Ca++ / pH
Analyzer software insures ease of operation
Software computes quality control statistics, flags abnormal results, and monitors performance.
• Two button operation
• Automatic calibration
• User-friendly menu

EasySampler
The modular EasySampler connects quickly to the EasyLyte Na/K, Na/K/Cl, and Na/K/Li analyzers, enhancing laboratory performance.
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Specifications
(Na⁺/K⁺, Na⁺/K⁺/Cl⁻, Na⁺/K⁺/Li⁺, Na⁺/K⁺/Ca⁺⁺/pH)

CLIA Classification: Moderate Complexity
Sample Type: Whole Blood, Serum, Plasma or Urine
Sample Size: 100 µL Whole Blood, Serum, Plasma, 60 µL capillary or 400 µL diluted (1:10) Urine
Method: Direct measurement by Ion Selective Electrode (ISE)

Measurement Range:

<table>
<thead>
<tr>
<th></th>
<th>Blood</th>
<th>Urine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Na⁺</td>
<td>20 – 200 mmol/L</td>
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</tr>
<tr>
<td>Li⁺</td>
<td>0.2 – 5.0 mmol/L</td>
<td></td>
</tr>
<tr>
<td>Ca⁺⁺</td>
<td>0.1 – 6.0 mmol/L</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6.0 – 8.0 Units</td>
<td></td>
</tr>
</tbody>
</table>

Display Resolution:

<table>
<thead>
<tr>
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<th>Blood</th>
<th>Urine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Na⁺</td>
<td>0.1 mmol/L</td>
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</tr>
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<td>0.01 mmol/L</td>
<td>Cl⁻: 0.1 mmol/L</td>
</tr>
<tr>
<td>Li⁺</td>
<td>0.01 mmol/L</td>
<td></td>
</tr>
<tr>
<td>Ca⁺⁺</td>
<td>0.01 mmol/L</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>0.005 units</td>
<td></td>
</tr>
</tbody>
</table>

Analysis time (blood):

<table>
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<th>Na⁺/K⁺</th>
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<th>Na⁺/K⁺/Ca⁺⁺/pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>55 sec</td>
<td>55 sec</td>
<td>55 sec</td>
<td>60 sec</td>
<td></td>
</tr>
</tbody>
</table>

Urine Mode

Yes: Yes, Yes, No

Analysis time (urine):

<table>
<thead>
<tr>
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<th>Na⁺/K⁺/Ca⁺⁺/pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 sec</td>
<td>90 sec</td>
<td>90 sec</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
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EasySampler

Yes: Yes, Yes, No

Capillary Samples

Yes: Yes, Yes, No

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