



Unity[™]

Integrated Electrolyte System



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Sample

Serum or Diluted Urine

Sample Size

60 - 100 μ l Serum

140 - 150 μ l Urine

Number of Parameters

3 (Simultaneously)

Detection Range

Serum Na⁺: 50-200 mmol/L

K⁺: 1.5-10.00 mmol/L

Cl⁻: 50-200 mmol/L

Urine Na⁺: 20-500 mmol/L

K⁺: 5-300 mmol/L

Cl⁻: 10-500 mmol/L

Reproducibility

Typical Within Run (n=30)

Serum

Na⁺: CV \leq 1% (120-160 mmol/L)

K⁺: CV \leq 2% (2.8-6 mmol/L)

Cl⁻: CV \leq 2% (80-120 mmol/L)

Urine

Na⁺: CV \leq 5% (60-280 mmol/L)

K⁺: CV \leq 5% (30-170 mmol/L)

Cl⁻: CV \leq 5% (80-230 mmol/L)

Analysis Time

Serum: 30 sec (100 per hour)

Urine: 60 sec (50 per hour)

Data Storage

2000 Patient Results

500 QC Results per level (3)

100 Calibrations

Calibration

2 Point every 8 hours

On Demand

1 Point after every Measurement

Communication

RS232 Communication

Ambient Conditions

15-32°C, Room temperature (60-90°F)

<85% humidity

Power

12VDC, 2.0A

Size & Weight

92 mm (H) x 134 mm (W) x 46 mm (D)

3.70" (H) x 5.27" (W) x 1.81" (D)

Features

- Compact Size
- Flexible Reagent System
- Fully Shielded Measurement Chamber
- Built-In Modular Sample Cup Option
- Long Life Reference
- Positive Engagement Latching System
- Accessible Service Area
- Fully Visible Pathway
- Horizontal Electrode Orientation
- Precise Stepper Motor Fluidic Control

This analyzer is produced and distributed by Diamond Diagnostics Inc.