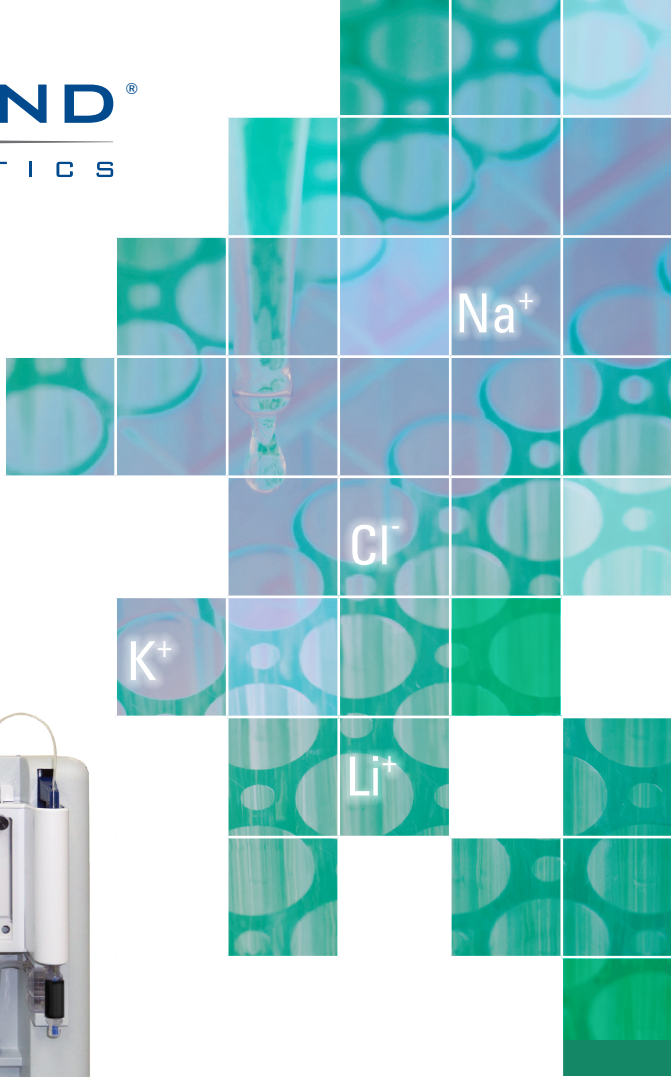


DIAMOND[®]

DIAGNOSTICS



PROLYTE[®]

The World's Most Popular Electrolyte Analyzer



SPECIFICATIONS:

Sample

Whole Blood, Serum, Plasma, or Urine

Sample Size

100 μ l Whole Blood, Serum or Plasma
400 μ l diluted (1:10) Urine

Detection Range

Blood Na⁺: 45-205 mmol/L
K⁺ : 1.5-11 mmol/L
Cl⁻ : 45-205 mmol/L
Li⁺ : 0.15-5.0 mmol/L

Urine Na⁺: 30-1020 mmol/L

K⁺ : 20-505 mmol/L
Cl⁻ : 25-505 mmol/L

Analysis Time

57 sec (Blood)
93 sec (Urine)

Data Storage

1000 patient results
500 Level 1 QC results
500 Level 2 QC results
500 Level 3 QC results

Calibration

Automatic or On Demand
1 Point after every Measurement

* Under Development

Reproducibility

Typical Within Run (n=30)
Blood, Serum, Plasma
Na⁺: CV \leq 1% (115-160mmol/L)
K⁺ : CV \leq 2% (2.5-6 mmol/L)
Cl⁻ : CV \leq 2% (65-120 mmol/L)
Li⁺ : SD \leq 0.03 (0.25-2.0 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)

User Input

Keypad, External Keyboard,
External Barcode Scanner (optional)

Output

Graphic backlit display
Graphic 40 column printer
RS232 LIS Serial Communication
AutoSampler port*

Ambient Conditions

15-32°C (60-90°F), < 85% humidity

Languages

English, Spanish, French, German, Italian,
Portuguese, Chinese, Russian

Power

100-240 ~ VAC 50/60 Hz, 1.6 A

Size & Weight

9.5" (24cm) W x 16.5" (42cm) H x
8.0" (20cm) D, 10.5 lbs (4.5 Kg)

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