

DIAMOND
Smart Lab Solutions



ProLyte®

The World's Most Popular Electrolyte Analyzer

 diamonddiagnostics.com/prolyte

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Analysis Time

45 sec (240/hour)

Data Storage

20,000+ Patient Results

10,000+ QC Results per Level

User Input

4" Touch Screen

External Keyboard

Remote Access

Connectivity

LAN, Wifi, 4 USB ports, RS232, LIS

Calibration

2 Point every 4 hours

1 Point every sample

On Demand

Number of Parameters

Na⁺ K⁺ Cl⁻ Li⁺

4 Total / 3 (Simultaneously)

Support

Online Service Interface

Sample Size

Whole Blood, Serum, Plasma, QCs (100 µl)

Urine (350 µl)



Parameter	Range	Reproducibility ¹	Resolution
Na ⁺	45-205 mmol/L	CV ≤ 1% (120-160mmol/L)	0.01 mmol/L
K ⁺	1.5-15 mmol/L	CV ≤ 1.5% (2.5-6 mmol/L)	0.01 mmol/L
Cl ⁻	45-205 mmol/L	CV ≤ 1% (85-130 mmol/L)	0.01 mmol/L
Li ⁺	0.15-5.00 mmol/L	SD ≤ 0.03 mmol/L (0.4-1.3 mmol/L)	0.001 mmol/L
Urine ² Na ⁺	30-1020 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.01 mmol/L
K ⁺	20-505 mmol/L ³	CV ≤ 5% (10-60 mmol/L)	0.01 mmol/L
Cl ⁻	25-505 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.01 mmol/L

1-Typical Within Run (n=30) Blood, Serum, Plasma 2-Lithium is not typically measured in urine samples
3-(60-120) requires additional dilution

Power

100-240V ~ 50/60 Hz (self adjusting)

1.6 A max, 50 Watts max

Size & Weight

9.5" (24cm) W x 16.5" (42cm)

14 lbs or 6 kgs

Ambient Conditions

Room temperature: 15-32°C/60-90°F

Humidity <85%

DIAMOND
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SOP23-0099F REV11 10/30/20



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