

pH
Mg++
COMING
SOON



SmartLyte® *Plus*

The Most Advanced Electrolyte Analyzer

SmartLyte[®] Plus

Veterinary Options

Feline, Canine, Bovine, Equine,
Swine, Ovine, Murine or Open

User Input

5" Touch Screen
Remote Access

Connectivity

LAN, Wifi,
4 USB ports
RS232, LIS

Sample Size

Whole Blood, Serum (95 µl)
Plasma, QCs (95 µl)
Urine (180 µl)

Languages

English, 中文, Español, Français, Deutsch,
Bahasa Indonesian, Italiano, 日本語, 한국어,
Português, Polskie, Русский, Türkçe

Data Storage

10,000 Patients Results
10,000 QC Results per Level

Calibration

2 Point every 4 hours
1 Point every sample
On Demand

Support

Online Service
Interface

Number of Parameters

5 Total
4 (Simultaneously)

Analysis Time

28 sec

Optional Autoloader

24 Positions

Parameter	Range	Reproducibility ¹	Resolution
Na ⁺	40-200 mmol/L	CV ≤ 1% (120-160mmol/L)	0.1 mmol/L
K ⁺	1.5-15 mmol/L	CV ≤ 1.5% (2.5-6 mmol/L)	0.01 mmol/L
Cl ⁻	50-200 mmol/L	CV ≤ 1% (85-130 mmol/L)	0.1 mmol/L
Ca ⁺⁺	0.3-5.0 mmol/L	SD ≤ 0.02 mmol/L (0.8-1.5 mmol/L)	0.001 mmol/L
Li ⁺	0.2-5.5 mmol/L	SD ≤ 0.03 mmol/L (0.4-1.3 mmol/L)	0.001 mmol/L
Urine ² Na ⁺	3-300 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.1 mmol/L
K ⁺	5-120 mmol/L ³	CV ≤ 5% (10-60 mmol/L)	0.01 mmol/L
Cl ⁻	15-300 mmol/L	CV ≤ 5% (100-250 mmol/L)	0.1 mmol/L

1-Typical Within Run (n=30) Blood, Serum, Plasma

2-Calcium and Lithium are not typically measured in urine samples

3-(60-120) requires additional dilution

Power

100-240V, 50W max
50-60 Hz, 1.6A max

Size & Weight

13.2 x 12.4 x 12 in, 14 lbs
335 x 315 x 295 mm, 6 kgs

Ambient Conditions

Humidity < 85%
Room Temperature: 60-90°F (15-32°C)



DIAMOND
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