

DIAMOND
Smart Lab Solutions



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Parameter	Range	Reproducibility ¹	Resolution
Na ⁺	40-200 mmol/L	CV ≤ 1% (120-160mmol/L)	0.1 mmol/L
K ⁺	1.7-15 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 ~ 50/60 Hz (self adjusting)
1.6 A max, 50 Watts max

Size & Weight
13.2 x 12.4 x 12 in or 335 x 315 x 295 mm
14 lbs or 6 kgs

Ambient Conditions
Room temperature: 15-32°C/60-90°F
Humidity <85%

