



ELITE

Electrolyte Analyser



Reliable Electrolyte Testing Ease of use at an excellent value

- ★ Wider menu due to Dual Configuration in Single Model: Na, K & Cl or Na, k & Li
- ★ Saves money due to long life maintenance free electrode
- ★ Accurate, Precise results & Error free analysis ensured by Unique Air Detector
- ★ Fast turnaround time by reporting results in 49 Seconds.
- ★ Operational ease due to Adjustable sampling arm provides access to tube or cup
- ★ Easy & Fast operation with help of direct function keys on full scale keyboard

ELITE

Specifications

Electrolyte Parameter

- Sodium Na⁺ , Potassium K⁺ , Chloride Cl⁻ or Lithium Li⁺

Sample Type

- Serum, Plasma, Whole Blood, Urine, and CSF

Sample Size

- 150 µL Blood, 150 µL Urine (diluted 3x)

Method

- Direct measurement by Ion Selective Electrode (ISE)

Display Resolution

- Na⁺: 0.133mmol/L, K⁺: 0.01 mmol/L, Cl⁻: 0.1 mmol/L & Li⁺: 0.01 mmol/L

Analysis Time

- 49 Seconds

Data Management

- 450 patient storage, QC data storage

Calibration

- Automatic or On-demand

Output

- 40 characters x 4 lines back light LCD display, 32 characters per line thermal printer, Rs232 serial port

Ambient Condition

- Room temperature, 15°C - 40°C

Power

- 100-120V, 50-60Hz, 0.6A: 200-240V, 50-60Hz, 0.35A

Size & Weight

- 41cm(H) x 27cm(W) x 24.5cm(D): 12kg (without reagent pack)

MEASUREMENT RANGE

Parameter	Serum, Plasma & Whole Blood	CSF	Urine
Sodium Na ⁺	60-200 mmol/L		40-400 mmol/L
Potassium K ⁺	1.0-10.0 mmol/L		3-300 mmol/L
Chloride Cl ⁻	60-200 mmol/L	60-200 mmol/L	40-400 mmol/L
Lithium Li ⁺	0.1-5.0 mmol/L	1 Liter	

PERFORMANCE

Serum, Plasma, Whole Blood

Analyte	CV within Run, N=20	CV Day-to-day, N=20	Resolution (mmol/L)
Sodium Na ⁺	1.0% or 1.0 mmol/L	2.0% or 2.0 mmol/L	0.1
Potassium K ⁺	1.5% or 0.15 mmol/L	3.0% or 0.30 mmol/L	0.01
Chloride Cl ⁻	1.5% or 2.0 mmol/L	2.0% or 2.0 mmol/L	0.1
Lithium Li ⁺	3.0% or 0.03 mmol/L	5.0% or 0.03 mmol/L	0.01

URINE

Analyte	CV within Run, N=20	CV Day-to-day, N=20	Resolution (mmol/L)
Sodium Na ⁺	3.0% or 1.0 mmol/L	4.0% or 1.5 mmol/L	0.1
Potassium K ⁺	3.0% or 0.5 mmol/L	5.0% or 0.5 mmol/L	0.01
Chloride Cl ⁻	4.0% or 2.0 mmol/L	5.0% or 2.5 mmol/L	0.1
Lithium Li ⁺			



*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

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