

# ELITE *ISE*

## ***Electrolyte Analyzer*** **Na<sup>+</sup>/K<sup>+</sup>/Cl<sup>-</sup> or Li<sup>+</sup>**



**ELITE, Electrolyte Analyzer with Starting Package includes:**

Sodium/Potassium/Chloride ISE Electrodes (1 pack each)

**OR**

Sodium/Potassium/Lithium ISE Electrodes (1 pack each)

- Reagent Pack, 1 pack,
- Septum, 1 piece
- Spacer, 1 piece,
- Air Detector, 1 piece
- Reference Manual, 1 piece
- Cleaning Solution (50ml)
- Conditioning Na Solution (100ml)
- Power cord, 1 piece
- Printer Paper, 2 rolls
- Reference Electrode, 1 piece

**Reliable *Electrolyte* testing, ease of use at an excellent value...**

# ELITE ISE

## Features

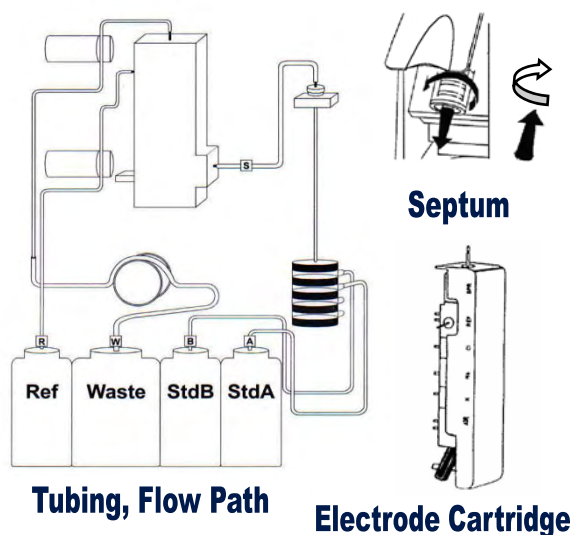
- Select test parameters: Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup> or Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup> by simply changing the Cl for the Li electrode or vice versa.
- Sample Type: Serum, Plasma, Whole Blood, Urine or CSF.
- Sample Size: 150 µL Blood, 150 µL Urine. (Diluted 3X)
- Analysis Time: Blood 49 seconds / Urine 50 seconds.
- Low maintenance flow-through Ion-selective electrodes
- Adjustable sampling arm for easy access to test tube or vial
- Full-scale keyboard for in depth information input
- Removable storage medium (PUM) for easy software updates

## Specifications

### I. Accuracy and Precision

Serum, Plasma, Whole Blood			
Analyte	CV Within Run n = 20	CV Day-To-Day n = 20	Resolution [mmol/L]
Sodium	1.0% or 1.0 mmol/L	2.0% or 1.0 mmol/L	0.1
Potassium	1.5% or 0.15 mmol/L	3.0% or 1.15 mmol/L	0.01
Chloride	1.5% or 2.0 mmol/L	2.0% or 2.0 mmol/L	0.1
Lithium	3.0% or 0.03 mmol/L	5.0% or 0.05 mmol/L	0.01

Urine			
Analyte	CV Within Run n = 20	CV Day-To-Day n = 20	Resolution [mmol/L]
Sodium	3.0% or 1.0 mmol/L	4.0% or 1.5 mmol/L	0.1
Potassium	3.0% or 0.5 mmol/L	4.0% or 0.5 mmol/L	0.1
Chloride	4.0% or 2.0 mmol/L	5.0% or 2.5 mmol/L	0.1
Lithium	-----	-----	---



Analyte	Serum, Plasma, Whole Blood	CSF	Urine
Sodium	60-200 mmol/L	---	40-400 mmol/L
Potassium	1.0-10.0 mmol/L	---	3-300 mmol/L
Chloride	60-200 mmol/L	60-200 mmol/L	40-400 mmol/L
Lithium	0.1-5.0 mmol/L	---	---

### Detection Ranges

**Data Management:** 450 patient storage, QC data storage & reporting, power failure protection.

**Calibration:** Automatic (1-6 hrs.) or On-demand.

**Output:** Large screen size for convenient reading (40 characters x 4 lines back light LCD display),  
32 characters per line thermal printer & RS232 serial port.

**Input:** Barcode reader port, keyboard.

**Ambient Conditions:** Room temperature 15°C~40°C

**Power:** 100-120V/50-60Hz 0.6A or 200-240V/50-60Hz 0.35A

**Size:** (HxWxD) 41x27x26 cm. / 16x11x10 in. **Weight** 12kg / 26.5 lbs (without reagent pack)

**APPROVALS:** CE MARKED – 510K FDA

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