

Z-ELITE - SERIES

Electrolyte Analyzer

Technical Specifications

Principle	Direct measurement with ion selective electrode (ISE)
Parameter Conversion	This functionality allows quick change of analyte
Sample	Whole blood, serum, plasma, CSF and diluted urine, for diluted (1:5) urine 500 µL
Sample Volume	130 µL
Measuring Time	60 seconds
Throughput	55 samples per 60 minutes
Data Storage	100000 samples, 25000 Urine, 100 QC
Ambient Conditions	Temperature: 5°C - 40°C <85% non-condensing humidity
Output	128x64 graphics display with Y/N numeric keypad 24 column thermal printer, USB port
Input Voltage	100/115-VAC, 50-60 Hz or 220-VAC, 50-60 Hz, 0.75 amp
Size & Weight	15" W x 12" H x 7.0" D, 6 kg
Battery	10 hours backup (optional)



MODELS

Z-ELITE : Electrolyte Analyzer with Na/K/Cl analytes

Z-ELITE Li : Electrolyte Analyzer with Na/K/iCa/Li/Cl analytes

Z-ELITE Pro+ : Electrolyte Analyzer with Na/K/iCa/pH/HCO₃/Cl analytes

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Upgrade and Enhancement of Parameters

Z-ELITE
Na/K/Cl



Z-Elite Pro+
Na/K/Cl/iCa/Li/pH or
Na/K/Cl/iCa/pH/HCO₃

Z-ELITE Li
Na/K/Cl/iCa/Li/pH



Intelligent reagent pack with electronic chip



High precision pump with more durable tuning



Automatic Sampling, Probe Wiping and Calibration



Extremely low cost per test

Principle	Measuring Range Blood	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na	20.0 - 250.0 mmol/L	< 1.0%	25.0-1000.0 mmol/L	< 5.0%
K	0.20 - 40.0 mmol/L	< 2.0%	1.0-500.0 mmol/L	< 5.0%
Cl	25.0 - 200.0 mmol/L	< 1.0%	25.0-500.0 mmol/L	< 5.0%
iCa	1.0 - 20.0 mg/dL	< 2.0%	***	***
Li	0.2 - 5 mmol/L	< 2.0%	***	***
pH	6 - 8	+ 0.03	***	***
HCO ₃	5 - 50 mmol/L	< 3.0%	***	***