

electroline[®] 100



- High Performance Electrodes
- Excellent Electrode Shielding System
- Real-time Electrode Working Status Detection
- Automatic Calibration of Slope & Intercept Values
- Supports High/Low Value Calibrators

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Electroline 100 applies ISE (Ion Selective Electrode) technology to the measurement of the contents of potassium (K), sodium (Na), chloride (Cl), pH, nCa^{2+} , and CO_2 in human blood serum. The machine can also measure the contents of potassium (K), sodium (Na), and chloride (Cl) in diluted urine.

TECHNICAL SPECIFICATIONS

Principle	Ion Selective Electrode method
Sample Volume	100 μ l ~ 150 μ l per test
Sample Type	Serum, Whole Blood, Urine
Throughput	Results in less than 60 seconds
Sampling Modes	Automatic* / Manual sampling
Software Upgrade	Possible through USB port
Display	Touch Screen Color LCD (800 x 480)
Memory	Stores more than 100,000 test results Review and print through the sample ID
Printer	Built-in thermal printer
Dimension	490mm x 400mm x 470mm
Net Weight	8.1 kg
Low Maintenance	Accidental power-off protection Automatic fault diagnosis function Automatic liquid level detection and alarms Real-time diagnostic of system status
Inventory Management	Continuous reagent status available on display

* optional



MEASURING RANGE

Electrode	Measuring Range (mmol/L)	Slope Range (mV/dec)
K ⁺	0.50 ~ 15.0	27 ~ 70
Na ⁺	30.0 ~ 200.0	27 ~ 70
Cl ⁻	0.10 ~ 200.0	27 ~ 70
* Ca ²⁺	0.10 ~ 5.0	15 ~ 35
* CO ₂	6.0 ~ 50.0	4 ~ 20
* pH	4.0 ~ 9.5 (unit)	27 ~ 70

* optional



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