

The comfortable way of Electrolyte Analysis



5 Part Electrolyte Analyzer

- Measured Parameters: bK^+ , Na^+ , Cl^- , Ca^{++} , pH
- 100 μl sample volume of whole Blood, Serum, Plasma, Urine or CSF
- 60 tests per hour throughput
- Built-in thermal printer
- Automatic two-point calibration
- 2 level QC management
- 128x64 dots LCD
- Easy-to-use menu with soft key interface
- Large data storage for 250 results
- Integrated air-liquid-air-liquid rinsing mode to avoid carry over

SPECIFICATIONS

Measured Parameters	K ⁺ , Na ⁺ , Cl ⁻ , Ca ⁺⁺ , pH
Measuring Principle	ISE based Electrolyte analysis to determine the ion concentrations of K ⁺ , Na ⁺ , Cl ⁻ , Ca ⁺⁺
Throughput	60 tests/hour
Reagent System	Calibrator-1 solution, Calibrator-2 solution, Cleaning Solution, ISE and Ref electrode filling solution
Sampling Method	Semi-automatic aspiration system, using Sample Cup or Collection Tube
Sample Volume	100 µL
Sample Types	Human (general): whole Blood, Serum, Plasma, Urine or CSF (Built-in reference ranges)
Cleaning Procedure	Chemical cleaning of the measuring chamber and tubing system with Cleaning solution
Quality Control	2 QC levels. QC parameters include all measured parameters. Separate QC database
Calibration	Automatic two-point calibration with additional option for carrying out one-point and two-point calibration manually
Standby Mode	Pre-adjusted with automatic calibration step
User Interface	Easy-to-use, menu driven user interface with soft keys
Languages Available	English menu
Data Capacity	250 results
Host Computer Interface	RS-232 serial link for data download
Built-in Printer	Stationary Head Graphical Thermal Printer, 58 mm wide paper roll. Prints full report
Display	128x64 dots high contrast and backlit LCD
Keypad	3 soft keys for simple use
Power Requirements	100-120 or 200-240 VAC, 50-60Hz
Operating Conditions	15-30°C, 59-86°F (Optimal temperature is 25 °C, 77 °F), 20%~ 80% RH,
Dimensions And Weight	(W x D x H) 300 x 290 x 275mm, ca. 6 kg

MEASURED PARAMETERS

Parameter	Measuring range	Resolution	Precision	Accuracy
Potassium ion(K)	0.50 - 15.00 mmol/L	0.01 mmol/L	≤1.0 %	≤3.0%
Sodium ion(Na⁺)	80.0 - 200.0 mmol/L	0.01 mmol/L	≤1.0 %	≤3.0%
Chloride ion(Cl⁻)	80.0 - 200.0 mmol/L	0.01 mmol/L	≤1.0 %	≤3.0%
Ionized calcium(Ca⁺⁺)	0.50 - 5.00 mmol/L	0.1 mmol/L	≤2.0 %	≤5.0 %
Hydrogen ion activity(pH)	6.80 - 8.00	0.01	≤1.0 %	≤1.0%

Also Available

M03

3 Part Electrolyte Analyzer



3 Part Electrolyte Analyzer

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Convergent Technologies GmbH & Co. KG | Germany