

NuLyte AQUA - Technical Specifications

Principle:	Direct Measurement with Ion Selective Electrode (ISE)	
Sample Type:	Whole blood, serum, plasma, or diluted urine	
Sample Size:	120 µL serum / plasma / whole blood; 500 µL Urine mode	
Measuring Time:	55 secs.	
Measurement Range:	Blood/Serum/Plasma	Reproducibility (CV%)
Na ⁺	50.0 – 250.0 mmol/L	<1.0%
K ⁺	0.50 – 20.0 mmol/L	<2.0%
Cl ⁻	45.0 – 200.0 mmol/L	<2.0%
iCa ⁺⁺	1.0 – 20.0 mg/dL	<2.0%
Li ⁺	0.2 – 5 mmol/L	<2.0%
pH	6.00 – 8.00	<2.0%
Data Storage:	10000 serum/plasma, 250 urine, 100 QC.	
Calibration:	Automatic or On-Demand	
Input/Output:	128 x 64 character display or graphic display, 24 column thermal printer, USB Port	
Ambient Conditions:	5 – 40°C, <85% non-condensing humidity.	
Power:	100/115/230V ~ +/- 10%, 50-60 Hz, 0.75 amp.	
Size & Weight:	30.1 cm Wx 35.5 cm Hx 30.6 cm D, 8.260 kg.	

ABOUT ALPHA TECHNOLOGIES

We offers a broad portfolio of performance driven In Vitro Diagnostics products and instrumentation for use in hospitals, diagnostic laboratories and research centers worldwide.

Our brand, along with our domestic and international manufacturing partners, provides a high quality, cost-effective alternative for diagnostics instrumentation, assays and reagents for better delivery, more personalized care to patients around the globe.



Alpha Technologies

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ISO 9001 : 2015
ISO 13485:2016
Certified Company



Alpha Technologies

NuLyte AQUA

Electrolyte Analyzer

★ COST EFFECTIVE ★ HIGHLY RELIABLE ★ MINIMAL MAINTENANCE ★ EASY TO OPERATE



Peace of mind guaranteed

NuLyte AQUA

Electrolyte Analyzer



Alpha Technologies Electrolyte analyzer is completely automated, microprocessor controlled electrolyte system that uses current ISE technology to make electrolyte measurements.

The **NuLyte AQUA** measures various combinations of sodium, potassium, Ionized Calcium, Lithium, Ph and Chloride in whole blood, serum, plasma, and urine.

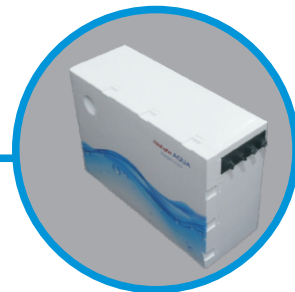
NuLyte AQUA Series Electrolyte Analyzers are specifically designed to meet the needs of small to medium & large-size laboratories and Hospitals while delivering sample results economically. Snap-in electrode design, combined with precise control of reagent volumes, ensure economical operation and a low cost per sample in our Analyzers.

Electrolyte Analyzer Models

Electrode Parameters

BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
K	K	K	K	K	K	K	K	K	K
Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa
B	B	B	B	Li	pH	Li	pH	Li	Li
B	B	B	B	B	B	pH	B	B	pH
B	Cl	B	Cl	B	B	B	Cl	Cl	Cl
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

Note: Please Arrange The Electrodes As Per The Parameter Selection



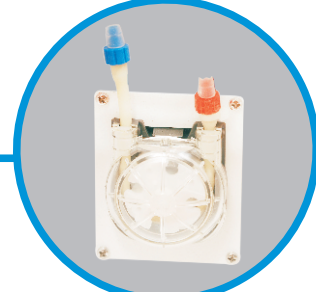
Compact reagent module for convenience, economy and safety

- All reagents are packed in a convenient, sealed, Reagent Module that also collects waste, protecting the user from biological hazards.
- The Reagent Module's RF-ID enables to track number of test and reagent usage. Operation without interruption is assured.



Disposable, maintenance-free electrodes

- Advanced Solid Specific Electrodes, which are maintenance Free & Long Lasting.
- Electrode design permits fast, fail-safe installation



Pump

- High performance WELCO Pump, Japan with pharmed BPT tubing, which are long lasting and uses torque Sharing.
- This ensures 120 μ L of fixed sample volume and tracks the consumption of reagent packs within 3% accuracy.



Thermal Printer

- High resolution graphics thermal printer for multiform reports.
- The built-in provides hardcopy of patient results, QC and calibration data.



Informative Display & Keypad

- With a larger display plus yes/no prompted operation, the analyzer requires little technical training by laboratory technicians before use.
- Patient, QC results and user menus are all shown clearly on the backlit display.

Peace of mind guaranteed