

AFT-800 Series

Electrolyte Analyzer



Since 1993

CORNLEY



Operation Interface

Thermal Printer



Flow Path

Reagent and TCO₂



AFT-800
MULTI-ANALYTE ANALYZER SERIES



Autoloader

Probe



Electrodes Group



Reagent Pack



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t Pack
Module



★ Accuracy and Reliability

- Focus on electrolytes development and innovation for more than 20 years
- Maintenance free electrodes with long shelf life
- Imported TCO₂ module to ensure accuracy and reliability
- Build-in integrated reagent pack to reduce biological contamination
- Auto calibration and slope-offset adjustment to ensure accurate result
- Excellent measuring range and detection precision

★ Simplicity and Efficiency

- User friendly interface and online fault alarm and troubleshooting
- One-button maintenance procedure to improve efficiency
- Sample volume lower to 80µl, Measuring cycle less than 25 seconds
- Results storage >10,000
- Standard network configuration and online upgradable function
- Barcode management and reagent volume alert

★ Practical and Economical

- 7 inch colorful touch screen
- Build-in thermal printer
- Upgradable autoloader
- Air and liquid mixture flush to eliminate carryover
- Smart sensor to diagnostic and adjust hardware
- Competitive cost per test

Barcode Scanner



Model:

- AFT-800A: K⁺, Na⁺, Cl⁻, TCO₂
- AFT-800B: K⁺, Na⁺, Cl⁻, Ca²⁺, pH, TCO₂
- AFT-800D: K⁺, Na⁺, Cl⁻, Ca²⁺, Li⁺, pH, TCO₂
- AFT-800E: K⁺, Na⁺, Cl⁻
- AFT-800F: K⁺, Na⁺, Cl⁻, Li⁺
- AFT-800G: K⁺, Na⁺, Cl⁻, Ca²⁺, pH,
- AFT-800H: K⁺, Na⁺, Cl⁻, Ca²⁺, Li⁺, pH,

Sample Type: Serum, Whole Blood, Plasma, Urine, CSF

Test Range and Accuracy		
Item	Range (mmol/L)	SD (mmol/L)
K ⁺	0.5~15.0 mmol/L	≤1.0%
Na ⁺	20.0~200.0 mmol/L	≤1.0%
Cl ⁻	20.0~200.0 mmol/L	≤1.0%
Ca ²⁺	0.1~5.0 mmol/L	≤1.5%
pH	6.0~9.0	≤1.0%
Li ⁺	0.0~3.0 mmol/L	≤1.5%
TCO ₂	6.0~50.0 mmol/L	≤3.0%

Working Environment	
Ambient Temperature: 10°C~40°C	Relative Humidity: ≤80%
Atmospheric Pressure: 86kPa~106kPa	Power Supply: 100V~240V~ 50Hz/60Hz
Power: 300VA	Properly grounded, away from electromagnetic interference, avoid direct sunlight
Dimension: 340x283x455mm	Net Weight: about 12kg

Reagent Kit			
Item	Model	Packing Specification	Type
ISE Reagent Pack	AFT-A8 II	One pack including Cal A 1000ml, Cal B 250ml and TCO ₂ calibration 50ml	Liquid
ISE Reagent Pack	AFT-A8 III	One pack including Cal A 1000ml and Cal B 250ml	Liquid
TCO ₂ Reaction Solution	AFT-A7 I	One bottle of 100ml	Liquid



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ISO9001 & ISO13485