



AUTOMATIC GLYCOHEMOGLOBIN ANALYZER

ADAMS™ A1c

HA-8180V

Superior Performance, Proven Technology

Improve patient care with the ADAMS™ A1c HA-8180V. The easy-to-use, automated hemoglobin A1c analyzer with diagnosis claims employs gold standard HPLC technology. The analyzer generates quality results and provides superior precision to accurately report HbA1c and aid physicians with:

- Diagnosing diabetes
- Identifying patients at increasing risk for diabetes
- Monitoring blood glucose control



Global Market Leader

- ADAMS A1c brand has been used globally for decades
- ARKRAY introduced the first fully automated HPLC HbA1c analyzer in 1981
- Eighth generation of ADAMS technology

Quality Results

- Best NGSP precision claims (CVs ≤ 1%)
- Gold standard HPLC technology provides superior precision*
- Eliminates interference with the most common hemoglobin variants (HbC, HbS, HbD, and HbE)

Easy-to-Use

- Intelligent result review eliminates routine chromatogram review
- No sample mixing or pre-treatment required
- Continuous sampling – load racks and walk away!
- Integrated column and pre-filter reduces maintenance

* *Diabetes Control and Complications Trial*

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Specifications

General	
Analyzer Type	Fully automated HbA1c analyzer
Measurement Items	HbA1c (stable HbA1c, S-A1c) HbF
Measurement Principle	Ion-exchange High Performance Liquid Chromatography
Guaranteed Measurement Range	HbA1c: 4 – 15% (20 – 140 mmol/mol) HbF: 0.3 – 5%
Measurement Wavelength	420 nm / 500 nm (Dual-wavelength colorimetry)
Sample Type	Whole blood collected in K ₂ -EDTA or K ₃ -EDTA tubes or hemolysate
Sample Consumption	Approximately 14 µL (whole blood)
Required Sample Volume	Sample tube: 10 mm from bottom of tube Sample cup: 400 µL
Throughput	37 tests/hour
Processing Speed	90 seconds/test
Sample Loading Capacity	One-way transportation: 50 samples Loop transportation: 100 samples
Sample Rack Capacity	10 samples/rack
Memory	900 results (including calibration results)
Communication	RS-232 (Bi-directional) or Ethernet
Dimensions	21" (W) x 21" (D) x 21" (H)
Weight	Analyzer: 86 lbs. Sampler: 9 lbs.
Power Supply	100-240V, 50/60 Hz
Measurement Environment	Temperature: 10 – 30°C Humidity: 20 – 80% RH (no condensation)
Barcode Specifications	CODE 39, NW-7, ITF, CODE 128