

Automatic Glycohemoglobin Analyzer



ADAMS™ A1C
HA-8180

MADE IN JAPAN

High-speed - Superior Quality

High-speed measurement, at only
48 seconds per sample.

High-precision measurement using
HPLC method.

Easy-to-follow user interface.

Sample-stirring function.

Easy to maintain.

HbA_{1c} standardization-compatible
according to IFCC.



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Minimum measurement time

Measurement time of 48 seconds per sample is possible because of the HPLC column. It takes only 1.9 minutes to get the first report for immediate feedback.



Easy-to-follow user interface: Save time, avoid errors.

A large-size color LCD displays actual result and chromatogram, shows analyzer status, comments to operation procedure or informs in time about remaining quantity of reagent.



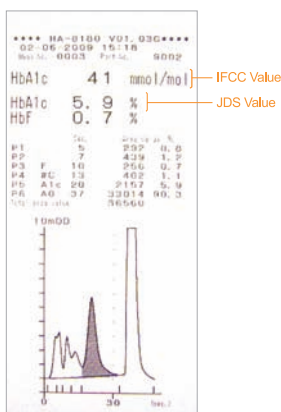
Highly-accurate measurements

The highly accurate measurements can be obtained thanks to the HPLC measurement principle.

The measurement result includes information of each peaks and chromatogram both of which can be utilized for analysis.

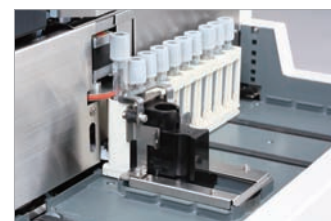
The result will be shown both as IFCC and NGSP values.

- Please note that the measured A1c value may be lower when a sample includes variant hemoglobin.



Sample-stirring function

The Automatic sample-stirring function before measurement avoids fluctuation in measurement results caused by blood cell sedimentation.



Easy-to-maintain

No special tools required for daily maintenance. The exchange of parts is hand-tightened, minimizing the workload of the user. The Pre-filter is already integrated with the column eliminating the hassle of exchanging it.

Samples	Whole blood and hemolysis
Measured items	HbA1c (Stable HbA1c), HbF
Measurement principle	Reversed-phase cation exchange chromatography
Detection method	Dual-wavelength colorimetry (wavelengths measured: 420nm/500nm)
Resolution	0.10%
Measurement range	HbA1c : 3-20%, 14-191mmol/mol, HbF : 0.3-5%
Throughput	48 seconds per sample (including time required for a sample-stirring)
Sample volume	Approx. 14 (whole blood)
Sample container	Blood collection tube (12.3 to 15mm diameter x 75 to 100mm length) Sample Cup (500 μL)
Sampling method	Cap-Piercing
Rack	ARKRAY racks
Column temperature	Approx. 40%

Samples	Whole blood and hemolysis
External output	RS-232C
Measurement conditions	10-30°C, 20-80% relative humidity
Display	Color graphic LCD with backlight
Built-in Printer	Thermal printer, 58mm thermal paper
Sample loading capacity	A maximum of 100 samples (when set for loop feed)
Min. required sample volume	Blood Collection Tube: 1mL Sample Cup: 400 μL
Power supply	AC100V-240V ±10% 50/60Hz
Power input	Max. 300 VA
External dimensions	530 (W) × 530 (D) × 530 (H) mm
Weight	Analyzer: Approx. 38kg, Sampler: Approx. 4kg

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担当