Automatic Glycohemoglobin Analyzer

ADAMS A1c

HA-8190V

HA-8380V

New value,
New ADAMS!

arkray,inc.

Automatic Glycohemoglobin Analyzer

ADAMS A1c

HA-8190V

Measurement Accuracy

The measurements are performed by HPLC.
The measurement result includes information of each peak and chromatogram.
The result will be shown in both IFCC and NGSP units.

Measurement Speed

Fast mode measurement in 24 seconds and variant mode in 58 seconds.

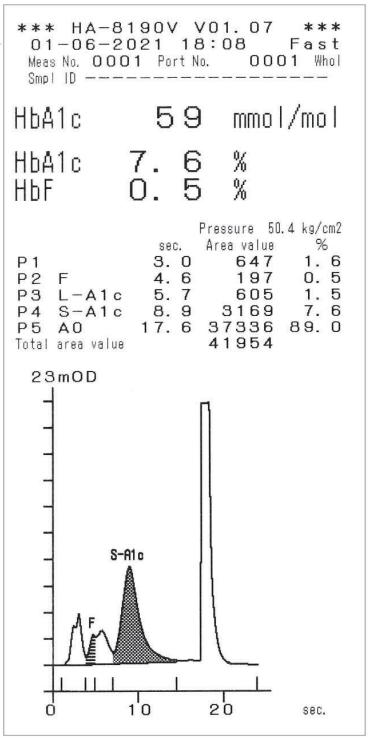
Anaemia Rack

Anaemia samples can be placed on specific rack without any special operation.

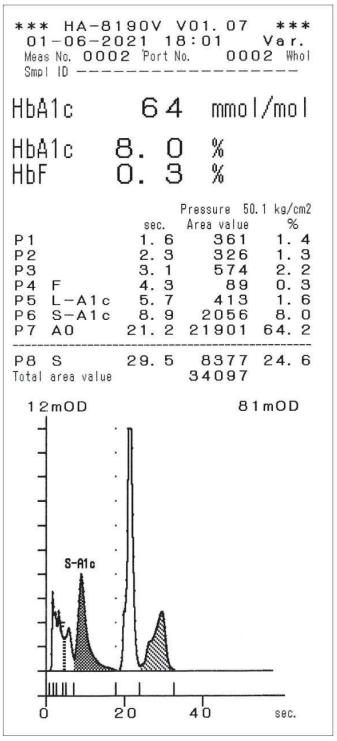
No interference from Variant Hbs - improved accuracy of HbA1c result

The measurement result includes information of each peak and chromatogram.
The result will be shown in both IFCC and NGSP units.

In addition to measuring HbA1c and HbF, HA-8190V can separate HbS and HbC as well as detect HbD and HbE in the Variant mode, outputting a more accurate HbA1c result.



Fast mode



Variant mode

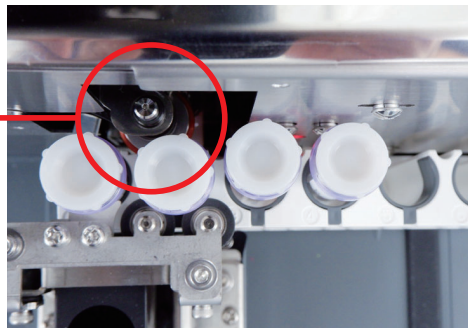
*Automatic switching function from variant mode to fast mode

Fast mode measures a sample in 24 seconds and variant mode in 58 seconds.
Use variant mode for first time screening. Followup tests can be automatically run in fast mode - improving lab workflow efficiency.
* The measurement mode automatic switching function depends on instructions from the host computer.

Easy Barcode Reading - Saves Time

Automatic sample tube rotation for barcode reading saves setup time and eliminates manual alignment of the barcoded tubes.

Automatic sample tube rotation



Comparison from Previous Model

	Previous model	HA-8190V
Features	**Conventional features** ・Dual Mode System (Fast and Variant) ・Sample tube spinning ・Anaemia Rack	**New features** ・Faster ・Automatic Switching function* ・Easy Barcode Reading ・Touch Panel Screen ・Operator Management
HbS, HbC	Separation	Separation
HbE, HbD	Detection	Detection
Measurement time	Fast mode : 48 seconds Variant mode : 90 seconds	Fast mode : 24 seconds Variant mode : 58 seconds

* The measurement mode automatic switching function depends on instructions from the host computer.

Automatic Glycohemoglobin Analyzer

ADAMS A1c Lite

HA-8380V

For smaller Laboratories

Smaller, but with full functionality

- Measurement by HPLC method
- Cap-piercing method
- Easy-to-maintain
- Normal, hemolysis and anemia measurement modes

Specifications ADAMS A1c HA-8190V

Sample Type	Whole blood or hemolysis sample
Measurement items	HbA1c (stable HbA1c), HbF (In Variant mode, HbS and HbC can be separated and HbE and HbD can be detected)
Measurement principle	HPLC method (Reversed-phase cation exchange chromatography)
Measurement wavelengths	420 nm/500 nm (Dual-wavelength colorimetry)
Resolution	0.1% Ratio. 1mmol/mol
Sample consumption	Approx. 8 µL (whole blood)
Processing speed	Fast mode : 24 seconds / sample Variant mode : 58 seconds / sample
Required sample volume	Sample tube : 10 mm or above from the bottom of sample tube Sample cup : 400 µL or above
Sample container	Sample tube : (ϕ 13 or 15) × (75 - 100mm) Sample cup : 500 µL
Displayed range	HbA1c : 3 to 20 %, 9 to 195 mmol/mol HbF : 0.0 to 99.9%

Authenticated-compatibility range	HbA1c : 4 to 16 %, 20 to 151 mmol/mol
Number of samples loaded	One-way transportation : Maximum of 50 samples Loop transportation : Maximum of 100 samples *Maximum of 200 samples can be loaded using the optional "Side Sampler".
Display	Color LCD (with touch screen)
Built-in printer	Thermal printer, 58 mm thermal paper
Memory capacity	900 test results (including calibration results)
External output	Serial 1 port (Can be optionally used as an Ethernet port)
Measurement conditions	Temperature : 10 - 30 ℃ Humidity : 20 - 80%RH (No condensation)
Power consumption	300VA
Dimensions	530(W) × 530(D) × 530(H) mm * Not including the projection portions, eluent packs and hemolysis washing solution bottle
Weight	Analyzer : Approx. 41 kg Sampler unit : Approx. 4 kg

Specifications ADAMS A1c HA-8380V

Measurement objects	Whole blood or hemolysis sample
Measured items	Fast Mode: HbA1c (Stable HbA1c, S-A1c) and HbF Variant Mode: HbA1c (Stable HbA1c, S-A1c) and HbF (HbS and HbC separation and HbE and HbD detection can be performed).
Measurement principle	Reversed-phase cation exchange chromatography
Measurement wavelength	420 nm/500 nm (Dual-wavelength colorimetry)
Resolution	0.1% Ratio, 1 mmol/mol
Measurement range	HbA1c: 3 - 20%, 9 - 195 mmol/mol HbF: 0 - 100%
Processing speed	Variant mode: 160 seconds/test Fast mode: 100 seconds/test
Sample consumption	Whole blood sample: Approximately 4µL Anemia sample: Approximately 8 µL Hemolysis sample: Approximately 350 µL

Sample container	Sample tube:(12.3 or 15 mm in outer diameter) × (75 to 100 mm in height) Sample cup: 500 µL
Sample supply	Piercing sampling
Compatible rack type	ARKRAY racks (for 5 samples)
Operating environment	Temperature: 10 - 30° C; Humidity: 20 - 80% RH (No condensation)
Display	20 digits × 2 lines LCD
Printer	For use with 58- mm width thermal printer paper
Number of measurement samples	Maximum 10 samples
Power requirements	AC 100 - 240 V±10%, 50/60 Hz
Dimensions	330 (W) × 515 (D) × 485 (H) mm (Not including protrusions, eluent packs and hemolysis washing solution bottle)

Related product

Exclusive HbA1c Quality Control Material extendSURE CONTROL

The Hemoglobin A1c control is available in lyophilized, and has two levels control.
The controls are in glass vials with screw top caps. Each vial is reconstituted with 0.25ml (lyophilised) to give a typical hemoglobin concentration of 14g/dL.
These controls are listed with US FDA and are CE-Marked.

*Designs and specifications may be changed without prior notice.

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