Automatic Glycohemoglobin Analyzer

ADAMS A1c

HA-8190V



New Standard for HbA1c Testing

Measurement Speed — Fast mode measurement in 24 seconds and variant mode in just 58 seconds

User-friendly — Seamless transition between Fast and Variant modes shortens the overall turnaround time

Accuracy — Accurate measurement with CV less than 1%

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Two modes with shorter turnaround time

● Fast mode measures a sample in 24 seconds and variant mode*1 in 58 seconds

First screening of a patient is recommended in Variant Mode.
Follow-up visits can now be performed more efficiently.*2

*1 HbS and HbC separation and HbE and HbD detection can be performed in the Variant mode.
*2 Need to operate with "LIS (Laboratory Information System)".

Improved usability



● Saves labor for aligning sample tubes

Sample tubes rotate automatically for barcode reading, eliminating work flow to align the tubes.

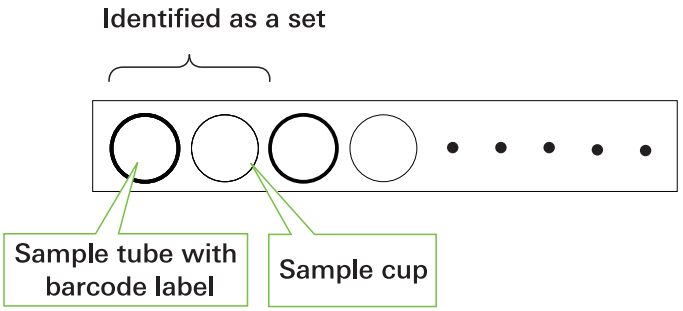
● Different racks for different purposes

【Anemia rack】

By using anemia rack, sample is identified and measured as anemia sample without any special operation.
This prevents error that indicates abnormally low hemoglobin value.

【Pair rack】

Hemolysis sample or small sample volume can be measured in a sample cup.
Pair rack can have a barcode labeled-sample tube and a sample cup identified as a pair, contributing to safety aspects by preventing mix-up and streamlined work flow.



Specifications

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	420nm/500nm (Dual-wavelength colorimetry)
Resolution	0.1% Ratio. 1mmol/mol
Sample consumption	Approx. 8μL (whole blood)
Processing speed	Fast mode : 24 seconds / sample Variant mode : 58 seconds / sample
Required sample volume	Sample tube : 10mm or above from the bottom of sample tube Sample cup : 400 μL or above
Sample container	Sample tube : (ϕ 13 or 15) x (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
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) x 530(D) x 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

Legal manufacturer

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*Designs and specifications may be changed without prior notice.

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