arkray

Automatic Glycohemoglobin Analyzer

ADAMS A1c Lite

HA-8380V

Compact and Fast
Highly-accurate measurements
HPLC Technology

arkray, inc.

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Compact size

Compact and small size with full function and performance.

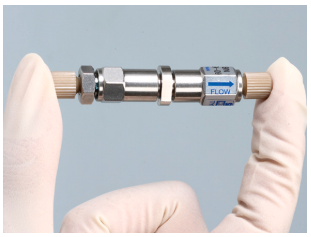
※Size comparison with HA-8180V

Easy-to-maintain

No special tools are required for daily maintenance. Exchanged parts are hand-tightened, minimizing the workload of the user.

Cap-piercing method

The HA-8380V uses a cap-piercing method which enables the setting of capped blood collection tubes in sample racks.
The accurate and direct aspiration of blood samples not only reduces workload but also helps to protect lab technicians from infection.



High-accurate measurements

The highly accurate measurements are the result of the HPLC measurement principle.
The measurement result includes information of each peak and chromatogram.
The result will be shown in both IFCC and NGSP units.

Specifications

Samples	Whole blood or hemolysates	Throughput	Variant mode:160seconds per sample Fast mode: :100seconds per sample
Measured items	HbA1c(Stable HbA1c), HbF (HbS and HbC: Possible to measure HbA1c even in the presence of HbS or HbC by separating corresponding population- on the chromatogram) (HbD and HbE: Possible to detect the presence of HbD or HbE to minimize the influence on HbA1c determination)	Sample volume	Approx.4μL(whole blood)
		Sample container	Blood collection tube (12.3 or 15mm diameters × 75 to 100mm length)
		Sampling method	Cap-Piercing
		Rack	5 samples/rack
Measurement principle	HPLC method (Reversed-phase cation exchange chromatography)	Measurement conditions	10-30℃, 20-80%RH (No condensation)
		Display	20 digits × 2 lines LCD
Detection method	Dual-wavelength colorimetry (wavelengths measured: 420nm/500nm)	Built-in Printer	Thermal printer, 58mm thermal paper
		Sample loading capacity	A maximum of 10 samples
Resolution	0.1% Ratio, 1mmol/mol	Power supply	AC100V-240V ±10% 50/60Hz
Measurement range	HbA1c : 3-20%, 9-195mmol/mol, HbF : 0-100%	External dimensions	330(W)×515(D)×485(H)mm

※Design and specifications may be changed without prior notice

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