Automatic Glycohemoglobin Analyzer

ADAMS A1c

HA-8180V



High speed and superior quality

2 modes: Variant mode and Fast mode

US FDA 510K cleared

arkray,inc.

Specifications

Samples	Whole blood or hemolysis sample
Measurement items	HbA1c(Stable HbA1c), HbF (HbS and HbC can be detected in Variant mode)
Reagents *1	ELUENT 80A, ELUENT 80B, ELUENT 80CV and HEMOLYSIS WASHING SOLUTION 80H
Column *2	COLUMN UNIT 80
Measurement principle	Reversed-phase cation exchange chromatography
Detection method	Dual-wavelength colorimetry (wavelengths measured: 420nm/500nm)
Resolution	0.1% Ratio, 1 mmol/mol
Measurement range *3	HbA1c : 3-20%, 9-195 mmol/mol HbF : 0-100%
Guaranteed measurement range *4	HbA1c : 4-16%, 20-151 mmol/mol HbF : 0.3-5%
Processing speed	Variant mode : 90 seconds per sample Fast mode : 48 seconds per sample
Sample consumption	Approx.14μL(whole blood)
Sample container	Blood collection tube(12.3 to 15mm diameter) × (75 to 100mm length) Sample cup(500μL)
Sampling method	Cap-Piercing
Rack type	ARKRAY racks
Number of measurement samples	One-way transportation (factory set) : Maximum 50 samples Loop transportation : Maximum 100 samples
Column temperature	Approx. 40℃
Display	Color graphic LCD with backlight
Built-in Printer	Thermal printer, 58mm thermal paper
External output	Serial 1 port (Can be optionally used as an Ethernet port.)
Measurement conditions	Temperature : 10-30℃ Humidity : 20-80% relative humidity (non-condensing)
Required sample volume	Blood collection tube : Minimum 10mm away from the bottom Sample cup : 400μL or more
Warm-up time	Maximum 30 min.
Dimensions	530(W)×530(D)×530(H)mm (Not including the hemolysis washing solution bottle)
Weight	Analyzer: Approx. 39kg, Sampler: Approx. 4kg
Power supply	AC100V-240V ±10% 50/60Hz
Power consumption	Max. 300 VA

*1, *2 Reagents and column are sold separately from HA-8180V analyzer.
*3 Error-free measurement ranges.
*4 Guaranteed ranges for obtaining results equivalent to those from HA-8160 VP mode measurement.
※Design and specifications may be changed without prior notice

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