Automatic Glycohemoglobin Analyzer

ADAMS™ A1c

HA-8180T

ALL-IN-ONE SOLUTION FOR DIABETES AND BETA-THALASSEMIA TESTING



- The fastest measurement of HbA2.
- Time until first report is 5.4 minutes or less. For subsequent samples, measurement takes just 3.5 minutes.
- No need to sample preparation before measurement.
- High-precision measurement using HPLC method.
- The special calibrators enable automatic calibration. It complies with NGSP (National Glycohemoglobin Standardization Program).
- Easy to maintain
- A single STAT sample can be measured by using STAT port during continuous measurement such as normal measurement.

Specifications

Samples	Whole blood or hemolysis sample
Measurement items	HbA1c（Stable HbA1c, S-A1c）, HbA2 and HbF (HbS, HbC, HbE and HbD can be detected.)
Reagents *1	ELUENT 80A, ELUENT 80B, ELUENT 80CT and HEMOLYSIS WASHING SOLUTION 80H
Column *2	COLUMN UNIT 80T
Measurement principle	Reversed-phase cation exchange chromatography
Detection method	Dual-wavelength colorimetry (wavelengths measured: 420 nm/500 nm)
Resolution	0.1 % Ratio, 1 mmol/mol
Measurement range *3	HbA1c : 3-20 %, 9-195 mmol/mol HbA2 : 2-10 % HbF : 0-100 %
Guaranteed measurement range *4	HbA1c : 4.2-12.9 %, 22-117 mmol/mol HbA2 : 2.4-6.3 % HbF : 0.1-14.3 %
Processing speed	210 seconds per sample
Sample consumption	Approx.14 µL（whole blood）
Sample container	Blood collection tube（12.3 to 15mm diameter）×（75 to 100mm length） Sample cup（500 µL）
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. 39 ℃
Display	Color graphic LCD with backlight
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 : 15-30 ℃ Humidity : 20-80 % relative humidity (non-condensing)
Required sample volume	Blood collection tube : Minimum 10mm away from the bottom Sample cup : 400 µL 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. 39 kg, Sampler: Approx. 4 kg
Power supply	AC100V-240 V ±10% 50/60 Hz
Power consumption	Max. 300 VA

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

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