

Material przeznaczony wyłącznie dla profesjonalistów
Material for professional users only



Automatic Glycohemoglobin Analyzer

ADAMS A1c

HA-8180T



All-in-one solution for diabetes testing
and β -thalassemia testing.

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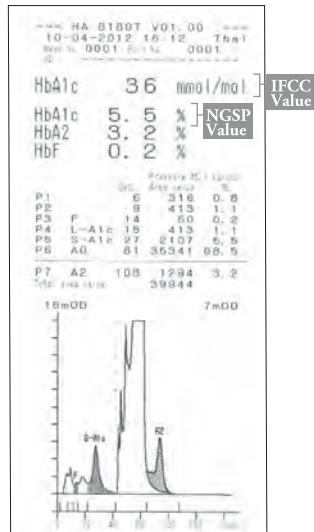
Measurement Speed

HA-8180T uses the HPLC method as its measurement principle. Time until first report is 5.4 minutes or less. For subsequent samples, measurement takes just 3.5 minutes.



Sample-stirring function

The automatic sample-stirring function before measurement prevents fluctuation in measurement results caused by blood cell sedimentation.



Measurement Accuracy

HPLC technology provides accurate results, including detailed chromatogram. It will be shown in both IFCC and NGSP units. HA-8180T can have an advantage in β thalassemia testing.



Easy-to-follow user interface: Save time, avoid errors

A large-size color LCD displays actual result, shows analyzer status, comments to operation procedure or informs the user about the remaining reagent volume.



Easy-to-maintain

No special tools are required for daily maintenance. Exchanged parts are hand-tightened, minimizing the workload of the user. The pre-filter is already integrated with the column eliminating the hassle of exchanging it. Replacement of the filter is not required throughout the column life.



Cap-piercing method

The HA-8180T 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.

| 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: 420nm/500nm) |
| 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.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. 39°C |
| Display | Color graphic LCD with backlight |
| Memory capacity | 500 test results (including calibration results) |
| Built-in Printer | Thermal printer, 58mm thermal paper |
| External output | Serial 1 port (Can be optionally used as an Ethernet port.) |
| Measurement conditions | Temperature : 15-30°C 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-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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