



Automatic Glycohemoglobin Analyzer

ADAMS™ A1c

HA-8180



High speed and superior quality

ADAMS™ A1c

HA-8180



High-speed measurement: 48sec.

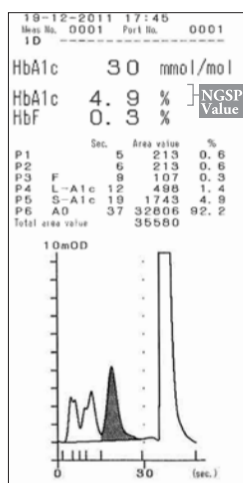
It takes 1.9 minutes to get the full first report. From the second sample onwards the measurement time including printed report is just 48 seconds per sample (with sample stirring) thanks to an unique new HPLC column.



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

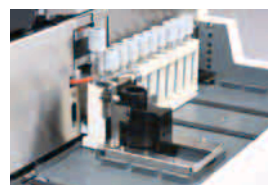
A large-size color LCD displays actual result, shows analyzer status, comments to operation procedure or informs the user about the remaining reagent quantity.

Highly-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.

- Please note that the measured A1c value may be lower when a sample includes variant hemoglobin.



Sample-stirring function

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

Easy-to-maintain

No special tools 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.

Specifications

| | | | |
|-----------------------|---|------------------------|---|
| Samples | Whole blood or hemolysates | Rack type | ARKRAY racks |
| Measurement items | HbA1c (Stable HbA1c), HbF | Column temperature | Approx. 40°C |
| Measurement principle | Reversed-phase cation exchange chromatography | Display | Color graphic LCD with backlight |
| Detection method | Dual-wavelength colorimetry (wavelengths measured: 420nm/500nm) | Memory capacity | Max. 1100 test results (including calibration results) |
| Resolution | 0.1% | Built-in Printer | Thermal printer, 58mm thermal paper |
| Measurement range | HbA1c : 3~20%, 14~191mmol/mol, HbF : 0.3~5% | External output | RS-232C |
| Processing speed | 48 seconds per sample (including time required for sample-stirring) | Measurement conditions | Temperature: 10-30°C Humidity 20-80% RH (non-condensing) |
| Sample consumption | Approx. 14µL (whole blood) | Required sample volume | Blood collection tube: 1mL or more Sample cup: 400µL or more |
| Sample container | Blood collection tube (12.3 to 15mm diameters) × (75 to 100mm length) Sample cup (500µL) | Dimensions | 530 (W) × 530 (D) × 530 (H) mm |
| Sampling method | Cap-Piercing | Weight | Analyzer: Approx. 38kg, Sampler: Approx. 4kg |
| | | Power supply | AC100V~240V ±10% 50/60Hz |
| | | Power consumption | Max. 300 VA |

※ Design and specifications may be changed without prior notice

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