

aV-90

Automated HbA1c HPLC Analyzer

HbA1c Analysis with
optimum Analytical Performance
on HPLC Analyser



80 Tests/Hour
Normal Mode



60 Tests/Hour
Variant Mode



110
Sample Positions
With Primary
Vacuum Tubes



3 µL
Whole Blood



Fully
Automated
Sampling



Rotary
Mixing



Ion-Exchange
HPLC
Technology



Bidirectional
LIS Connectivity

ADVANCED HbA1c Analysis

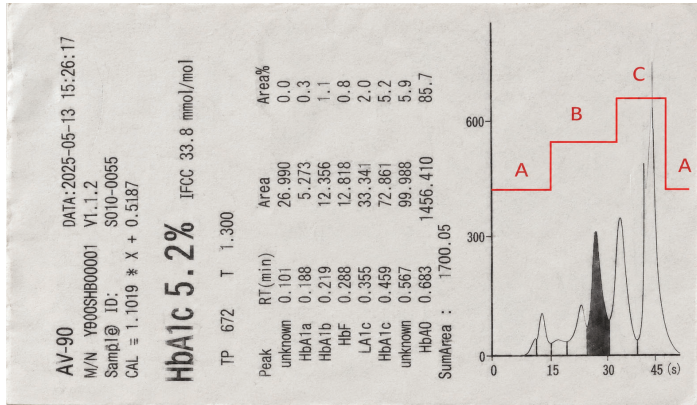
Accurate separation. Precise results.

Validity

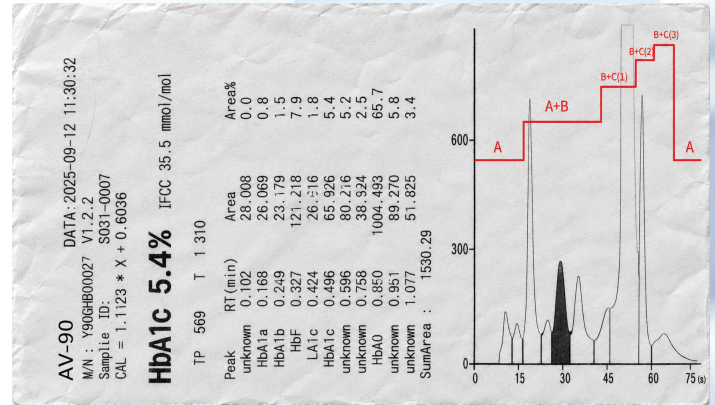
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CHROMATOGRAMS FROM ROUTINE TEST SAMPLES



NORMAL MODE



VARIANT MODE

ANALYTICAL PERFORMANCE

 **CV ≤ 0.89%**
Repeatability

 **r ≥ 0.99**
Correlation

 **Linearity: Up to %20**

FULLY UNIQUE HbA1c CALIBRATOR AND QC SOLUTION

Liquid Controls & Calibrators for HbA1c Testing

HbA1c Control Set

Ref. No: B102HCA

HbA1c Calibrator Set

Ref. No: B103HCA

Level 1 + Level 2

- Human Whole Blood Matrix
- 36 Months Lyophilized Stability
- 2 Months Liquid Open Vial Stability at +2/+8 °C
- 75 mL Diluent Volume



No Micropipette Required

Simplifies workflow and reduces handling errors.



No Freezing & Thawing After Reconstitution

Ready-to-use system provides outstanding convenience and stability.



2 Months Open Vial Stability

Stable at +2/+8 °C after reconstitution.



Optimum Performance

Optimum analytical performance by within run (Intra Assay) - day to day run (Inter Assay) precision studies

TECHNICAL SPECIFICATIONS

Detection wavelengths	415 / 525 nm
Sample positions	110
Sampling mode	Fully automatic
Sample volume	3 µL (Whole blood) / 8 µL (Diluted)
Test parameters	HbA1a, HbA1b, HbF, LA1c, HbA1c, HbA0
First sample analysis time	70 seconds

Throughput (Normal Mode)	80 tests/hour
Throughput (Variant Mode)	60 tests/hour
Repeatability (CV)	≤ 0.87%
Correlation (r)	≥ 0.99
Linearity	Up to 20 % HbA1c
Communication interfaces	RS-232 / Ethernet / Bidirectional LIS
Dimensions (W × D × H) / Weight	570 × 546 × 500 mm / 46 kg

Validity

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