



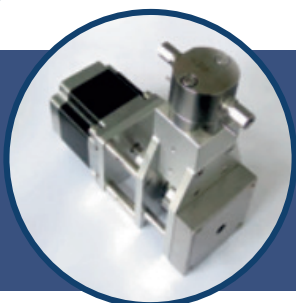
VERCENTRA

HB-100

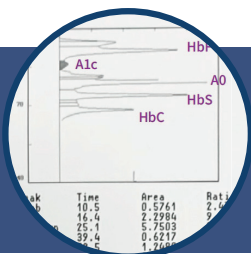
Glycated Hemoglobin Analyzer using HPLC (High Performance Liquid Chromatography) principle at speed of up to 50 tests/hour.



Agility and convenience. Automated analyzer capable of processing up to 50 tests per hour and accommodating 100 tubes in the automated sample loading module (10 racks). It features a STAT position for the immediate insertion of high-priority samples at any time.



Quality and high precision. The analyzer is equipped with a 24-bit detector for increased accuracy, resulting in better resolution and quality results. It comes with freeze-dried calibrators associated with the IFCC-RMP and quality controls at two levels, enabling data evaluation using Levey-Jennings graphs.



Efficiency and stability. The capability to differentiate between different types of hemoglobin like HbF and L-A1c enhances the accuracy of glycated hemoglobin tests by minimizing interference and refining measurement precision. Additionally, it offers fast sample analysis and robust anti-interference characteristics.

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Model Specifications

Rated Speed	• Normal mode: 50 test/hour (< 72 S/Test) • Varying Mode: 32 tests/hour (< 110 S/Test)
Reagents	• Set of reagents available for 3000 tests or 6000 tests • Automated detection of on-board reagent inventory
Samples	• Barcode reader • Whole blood • 100 positions (10 racks with 10 positions) • Aspiration volume: 3 µL • 1 emergency position • Automated dilution of whole blood samples
Methodology	HPLC (High Performance Liquid Chromatography)
Separation of hemoglobin variants	HbD / HbS / HbC / HbE
Measurement Range (NGSP)	4.0 - 17%
Data Storage	100.000 results with chromatogram
Interface System	• RS-232 • RJ45
Work Environment	• 10°C - 30°C • Humidity: ≤ 70% • Altitude: Self-adaptative
Quality Control	• 2 control levels (Qualitrol Vercentra HbA1c) • Possibility of setting intervals and averages • Levey-Jennings chart
Performance Indicators	• Repeatability: CV ≤ 2,0% • Coefficient of correlation: 0.9900 • Carry-over : ≤ 2.0%
Results Output	• Internal thermal printer • External printer (optional) • LIS • USB
Dimensions (HxWxL)	54 x 54 x 54 cm
Weight	40 kg

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