



Gold Standard of Diabetes Diagnose

- Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8 ~ 12 weeks.
- H9 Hemoglobin Analyzer adopts linear gradient chromatographic elution method, with patented result algorithm, to provide accurate result for clinical diagnose and treatment.



HPLC Methodology

- High - Performance Liquid Chromatography (HPLC), to separate HbA1c directly with measuring the absorbance points continually to form chromatogram. Using normal distribution curve fitting auto - iterative algorithm to get precise HbA1c testing result, excluding interference of variant and unstable hemoglobin like HbF. Standard Analysis Mode will report HbA1a, HbA1b, HbF, HbA1c, P3, HbA0 peak areas and ratio. And the result also includes IFCC, NGSP and eAG value for diverse client needs.



H9 Hemoglobin Analyzer (HPLC)

Specifications

Methodology	High - Performance Liquid Chromatography (HPLC)
Test Modes	Fast Mode, Variant Mode, β - thalassemia Mode
Test Range	3% - 18%
Precision	CV \leq 1%
First Sample Result	2.4 Mins
Test Speed	Fast Mode: 1.2 Mins / T, Variant Mode: 1.6 Mins / T
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood
Sample Volume	10 ul (1500 Dilution Rate)
Auto Sample Station	110 Positions + 1 Stat Position
Photometer	415nm + 500nm LED, 20000 Hours Life Span
Chromatography Column	Available Tests \geq 1600T
Filter	\geq 400T
Display	8" TFT True Color LCD Touch Screen
Software	Embedded System with Self - Diagnosis to Monitor and Detect System Errors
Reagent Kit	Eluent A, Eluent B, Eluent C, Hemolysin, Calibrator, QC Material
Information Input	Scanner or Touch Keypad
Storage	4000 Sample Results
Connection	Rs232, USB, LIS Compatible
Printer	Thermal Printer and External Laser Printer
Operation Temperature	10 ~ 30°C (50 ~ 86°F)
Humidity	10 ~ 70%
Power	AC 100 - 240V 50/60HZ 150VA
Dimensions	580mm x 500mm x 520mm (22.8"H x 19.7"W x 20.5"D)
Weight	50kg (110lbs)
Barcode Scanner	Internal Automated Scan



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**H9
HPLC**



H9 Hemoglobin Analyzer (HPLC)



H9 HPLC

H9 Hemoglobin Analyzer (HPLC)

The fully automated Lifotronic H9 Hemoglobin Analyzer offers the fastest available throughput of HbA1c results in just 1.2 minutes, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. Patients with hemoglobin variants can be in depth analyzed by simple mode change to β - thalassemia program.



No sample preparation and very little hands - on time by the operator is required for the H9 Analyzer. The sampling station accepts bar - coded primary tubes, samples from the closed tube and dilutes and injects the specimen into the chromatographic station for analysis. Results are managed by Lifotronic's Patient Data Management Software™ (PDM), which can be synchronized with the laboratory information system (LIS) in real time. Lifotronic provides complete assay kits for HbA1c and β - thalassemia on the H9 Analyzer.

HPLC Technology - Gold Standard Methodology

- Anchored to the Diabetes Control and Complication Trial (DCCT) Reference Study
- NGSP and IFCC Certified

Fast - To Ensure Your Workload is Processed Promptly

- HbA1c Results in 1.2 Minutes
- With * β - thalassaemia Program

Fully Automated - To Minimize Operation Hassles

- Automated Piercing
- Fully Automated Start - up, Maintenance and Shutdown
- Internal Auto Barcode Scanner for Sample Identification

Precise and Reliable - To Serve You Consistently

- HbA1c Inter & Intra Measuring CV's $\leq 1\%$ to Enable Exceptional Result Management
- Superior Quality Chromatographic Resolution to Minimize Interferences



User Friendly - To Avoid Operator Error

- 8" TFT Touch Screen LCD with Vivid Color
- Easy to Understand and Pellucid Software
- Only One Type of Sample Rack Required for All Different Tubes

Flexible - To Satisfy Diverse Laboratory's Needs

- Different Sample Tubes Can Be Loaded in Any Order in Any Rack
- A 110 Sample Loader Available for Laboratory Automation
- Highly Customizable Remarks to Meet Your Needs
- External Laser Printer for Direct Patient Result

Complex System Functions - For Easy Integration

- USB, USB and RS232 Ports Offer Flexible Connectivity for LIS / HIS Systems
- STAT Position for Emergency Assay

Compact Size - To Minimize Space Requirements

- Small Footprint Reduces Bench Space Needed



H9 Hemoglobin Analyzer (HPLC)

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