



H8 Hemoglobin Analyzer (HPLC)

H8 Hemoglobin Analyzer (HPLC)



The Fully automated Lifotronic H8 Hemoglobin Analyzer offers the fast throughput of HbA1c results in 1.2 minutes, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. No sample preparation and very little hands-on time by the operator is required for the H8 Analyzer.

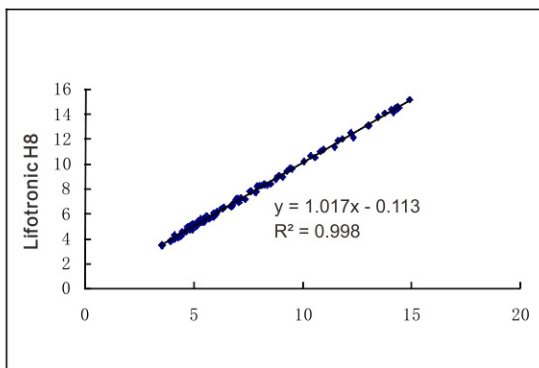


Gold Standard of Diabetes Diagnose

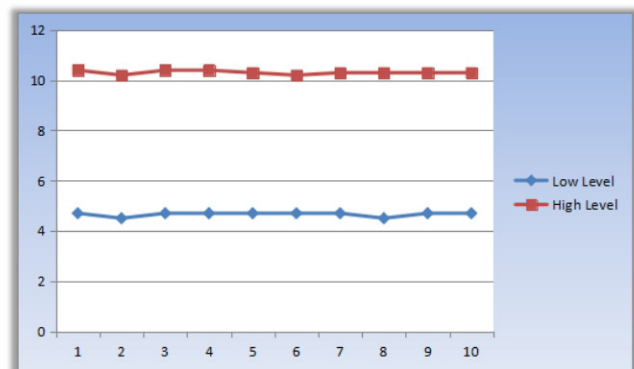
Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8~12 weeks.

HPLC Methodology

High-PressureLiquid 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 ADAG value for diverse client needs.



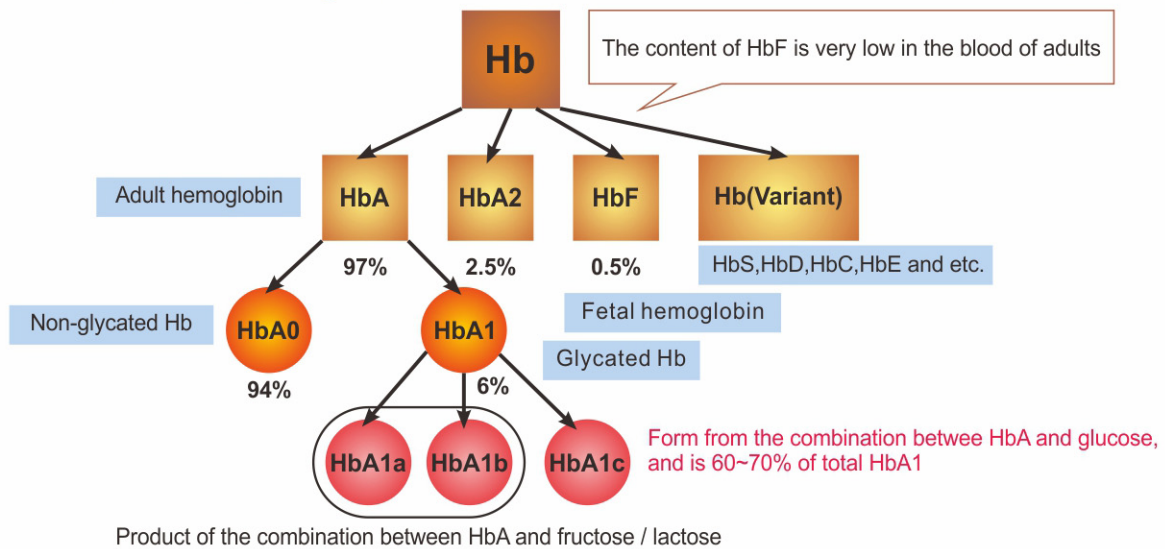
Correlation between H8 and a famous HPLC method



Precision Study



The Elements of Hemoglobin



HPLC Technology – Gold Standard Methodology

- NGSP and IFCC certified
- HbA1c results in 1.5minutes

Fully Automated - To Minimize Operation Hassles

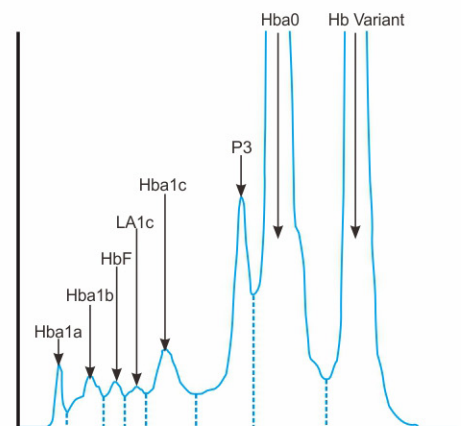
- Primary Tube Sampling with Cap Piercing
- Fully Automated Start-up, Maintenance and Shutdown
- Barcode Scanner for Sample identification

Precise and Reliable – To Serve You Consistently

- HbA1c Inter & Intra Measuring CV's $\leq 1.5\%$ to Enable Exceptional Result Management
- Superior Quality Chromatographic Resolution to Eliminate Interferences

Compact Size - To Minimize Space Requirements

- Small Footprint Reduces Bench Space Needed



H8 Hemoglobin Analyzer (HPLC)

TECHNICAL SPECS

| | |
|------------------------------|---|
| Methodology | High-Performance Liquid Chromatography (HPLC) |
| Test Modes | Fast Mode, Variant Mode, β -thalassemia Mode |
| Test Range | 3% - 18% |
| Precision | CV \leq 1.5% |
| First Sample Result | 7.5 Mins |
| Test Speed | 1.5Mins/sample for Fast Mode, 2.2 Mins/sample for Variant Mode |
| Sample Type | Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood |
| Sample Volume | 6ul, Peripheral Blood, 500ul(100 Dilution Ratio) |
| Auto Sample Station | 10 Positions |
| Photometer | 415nm+500nm LED, 20000 Hours Life Span |
| Chromatography Column | Available Tests \geq 1500T |
| Filter | \geq 400T |
| Display | 10.1" 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 (Weight Sensor \pm 1%) |
| Information Input | Scanner or Touch Keypad |
| Storage | 20000 Sample Results |
| Connection | USB, LAN, LIS Compatible |
| Printer | Thermal Printer and External Laser Printer |
| Operation | Temperature 10~30°C (~°F) |
| Humidity | \leq 85% |
| Power | AC 100-240V 50/60HZ 120VA |
| Dimensions | 580mm×500mm×520mm (22.8"H×19.7"W×20.5"D) |
| Weight | 50kg (110lbs) |
| Barcode Scanner | QC Curve |



Lifotronic Technology Co., Ltd.