# H8 Hemoglobin Analyzer (HPLC)

## Technical Specification

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|---|---|
| **Methodology** | High - Performance Liquid Chromatography (HPLC) |
| **Test Modes** | Standard Mode, Variant Mode, Thalassaemia Mode |
| **Test Range** | 3% - 18% |
| **Precision** | CV ≤ 1.5% |
| **Test Speed** | 130 Secs / T for Variant Mode, 380 Secs / T for thalassaemia Mode |
| **Sample Type** | Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood<br>Peripheral Blood, 500ul ( 150 Dilution Ratio ) |
| **Auto Sample Station** | 10 Positions |
| **Photometer** | 415nm + 500nm Detector |
| **Chromatography Column** | Available Tests ≥ 800T |
| **Filter** | ≥ 400T |
| **Display** | 10.1 " TFT True Color LCD Touch Screen |
| **Software** | Linux Software with Self - Diagnosis to Monitor and Detect System Errors |
| **Reagent Kit** | Eluent A, Eluent B, Eluent C, Hemolysin, Calibrator, QC Material ( Weight Sensor ± 1% ) |
| **Information Input** | Scanner or Touch Keypad |
| **Storage** | 4000 Sample Results |
| **Connection** | USB, LAN, LIS Compatible |
| **Printer** | Thermal Printer and External Laser Printer |
| **Operation** | Temperature 10 ~ 30 °C ( 50 ~ 86 °F ) |
| **Humidity** | ≤ 80% |
| **Power** | AC 100-240V 50/60HZ 120VA |
| **Dimensions** | 600mm x 360mm x 540mm ( 23.6"H x14.2 "W x 21.3" D ) |
| **Weight** | 36.8KG |

NGSP ifcc CE NMPA


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Lifotronic

Caring for Better Life

(SSE: 688389)



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en.lifotronic.com

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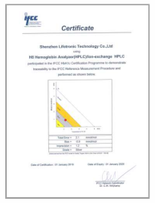
The fully automated Lifotronic H8 Hemoglobin Analyzer offers the fast throughput of HbA1c results in 130 seconds, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. No sample preparation and very little hands-on time by the operator is required for the H8 Analyzer.




IFCC

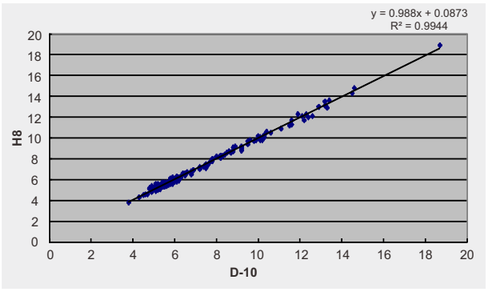

NGSP

## Gold Standard of Diabetes Diagnose

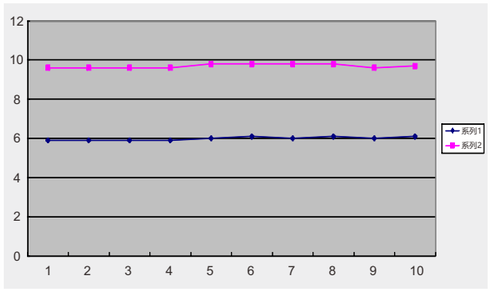
Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8 ~ 12 weeks.

## HPLC Methodology

High-Pressure Liquid Chromatography (HPLC), to separate HbA1c, HbF, HbA2 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. Standard Analysis Mode will report HbA1a, HbA1b, HbF, La1c, HbA1c, HbA0 peak areas and ratio. And the result also includes IFCC, NGSP and ADAG value for diverse client needs.

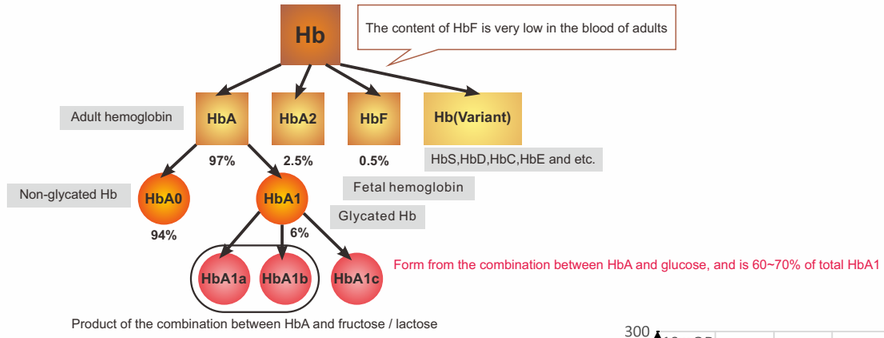



Correlation between H8 and D-10




Precision Study

## The Elements of Hemoglobin




Product of the combination between HbA and fructose / lactose

## HPLC Technology – Gold Standard Methodology

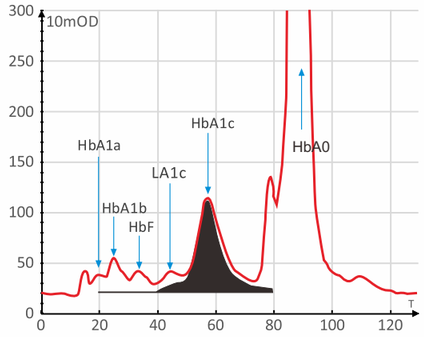
- ! NGSP and IFCC Certified
- ! HbA1c Results in 130 Seconds

## 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 Measuring CV 1.5%& Intra Measuring CV's 3% to Enable Exceptional Result Management
- ! Superior Quality Chromatographic Resolution to Eliminate Interferences




## Dual Wavelength Detection – To Avoid Interference

- ! To Avoid the Reagent Peak Interference
- ! More Anti-interference Abilities, the Mutation Factor Interference to the Peak Can be Easily Counteracted
- ! To Eliminate the Nonspecific Absorption of Hemoglobin

## Degasser – For Better Result Accuracy

- ! More Stable Pressure, More Accurate Flow Rate
- ! To Reduce Background Absorption and Improve Detection Sensitivity
- ! To Improve the Separation Effect of Column and Prolong Its Lifetime

## Compact Size – To Minimize Space Requirements

- ! Small Footprint Reduces Bench Space Needed