

Technical Specifications

Methodology	High Performance Liquid Chromatography (HPLC)
Test Modes	Variant Mode, β - thalassemia Mode
Test Range	3% ~ 20%
Precision	CV<1.0%
Test Speed	Variant Mode: 90 Sec/T
	β -Thalassaemia mode: 350 sec/T
Reagent Kit	Eluent A: 800mL, 1600mL
	Eluent B: 800mL
	Eluent C: 800mL
	Eluent D: 800mL, 1600mL
	Hemolytic Agent L: 2500mL, 5000mL
Sample Volume	5 μ L
Hemoglobin Interferences	No interference from variants E,D,S,C,J
	No interference from HbF up to 15%
Sample Rack	Normal Sample Rack, Anemia Sample Rack, QC Rack, Calibrator Rack
Sample Positions	50/110 Positions + 1 STAT Position
Display	10.1" TFT True Color LCD Touch Screen
Data Storage	20,000 Sample Results
Connection	Rs232, USB, LIS Compatible
Barcode Scanner	Internal Barcode Scanner or Handheld Barcode Scanner
Printer	Internal Thermal Printer and External Laser Printer
Temperature	Storage Temperature 0°C~55°C, Operating temperature: 10°C~30°C
Humidity	Storage humidity: \leq 93%, Operating humidity: \leq 80% (non-condensing)
Dimensions	722mm(L) x 532(W) x 729(H)
Weight	55/60.5KG

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H100

Lifotronic
— Caring for Better Life —



Hemoglobin Analyzer (HPLC)



(SSE: 688389)

The H100 system

A Better Choice for Advanced Laboratories!

01/ Accurate

Superior Automatic Sample Mixing

- Advanced up down mixing technology, imitating manual mixing process, eliminate the effects of different RBCs deposition situation, no interference for total area.

Optimized High-pressure Column & Newly Designed Filter

- Improve the efficiency of impurities interception
- Great microspheres generate excellent performance

03/ Innovative

Automatic record of test number

- Convenient for test number monitoring

02/ Efficient

Quick Start

- Warm up within 5 mins

Fast detection speed

- Only 96 sec required for accurate HbA1c results with variants(E/D/S/C/J) recognition
- Only 350 sec required for β -thalassemia screening(HbA₂, HbF)
- **Large capacity reagent kit**
- Reduces the frequency of reagent replacement

04/ Intelligent

360° Internal Barcode Scanner

- Increase the sensitivity of recognition and reduce the missing scanning rate significantly

Linux system, strong platform

- Linux system is equipped with user-friendly operation interface

Automatic sample types identification

- No extra operation is required, saving time and effort for large sample volume detection



H100 Hemoglobin Analyzer (HPLC)

