




“Touching Human Lives Through Innovation”

Technical Specifications	
Methodology	High Performance Liquid Chromatography (HPLC)
Test Modes	Variant Mode, β - thalassemia Mode
Test Range	3% ~ 20%, HbA1c
Precision	CV<1.5%
Test Speed	Variant Mode: 96 Sec/T
	β -Thalassaemia mode : 380 Sec/T
Reagent Kit	Eluent A: 800mL, 1600mL
	Eluent B: 800mL
	Eluent C: 800mL
	Eluent D: 800mL
	Hemoglystic 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
Auto Sample Station	50 Positons +1 STAT Position
Display	10.1" TFT True Color LCD Touch Screen
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	<93%
Dimensions	772mm \times 730mm \times 729mm
Weight	62KG



H100

Hemoglobin Analyzer (HPLC)

 (SSE: 688389)

Matrix Labs Diagnostics Pvt. Ltd.,

"Matrix Towers" 3rd Floor, S.No-114/13A, 13B, 12B, 12A2,
Ponnamman Kovil Street, Noombal,
Chennai-600077, India.
+91-044-26793885 / 87 / Toll Free : 18001201713,
info@matrixlabs.in, www.matrixlabs.in



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

Identify the variants within 96s

03/Innovative

Automatic record number of tests

- Convenient for customers analyze tests and business situation

02/Efficient

Quick Start

- Warm up within 5 mins

Large capacity reagent kit

- Reduces the frequency of reagent replacement

04/Intelligent

360° Internal Barcode Scanner

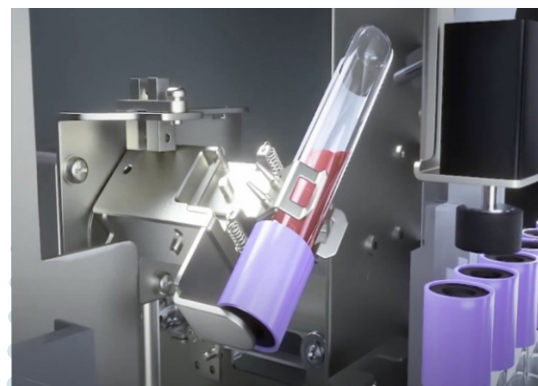
- Increase the sensitivity of recognition and reduce the missing scanning rate significantly

Linux system, strong platform

- Linux system is equipped with user-friendly operation interface

Automatic identify sample types

- No extra operation required, save the time and efforts for large sample volume detection



Superior Automatic Sample Mixing



Automatic Identify Sample Types

Sample ID	Target Value	Test Result	Value Bias
01	40.0	40.1	-0.1
02	41.0	41.1	-0.1
03	42.0	42.1	-0.1
04	43.0	43.1	-0.1
05	44.0	44.1	-0.1
06	45.0	45.1	-0.1
07	46.0	46.1	-0.1
08	47.0	47.1	-0.1
09	48.0	48.1	-0.1
10	49.0	49.1	-0.1
11	50.0	50.1	-0.1
12	51.0	51.1	-0.1
13	52.0	52.1	-0.1
14	53.0	53.1	-0.1
15	54.0	54.1	-0.1
16	55.0	55.1	-0.1
17	56.0	56.1	-0.1
18	57.0	57.1	-0.1
19	58.0	58.1	-0.1
20	59.0	59.1	-0.1
21	60.0	60.1	-0.1
22	61.0	61.1	-0.1
23	62.0	62.1	-0.1
24	63.0	63.1	-0.1
25	64.0	64.1	-0.1
26	65.0	65.1	-0.1
27	66.0	66.1	-0.1
28	67.0	67.1	-0.1
29	68.0	68.1	-0.1
30	69.0	69.1	-0.1
31	70.0	70.1	-0.1
32	71.0	71.1	-0.1
33	72.0	72.1	-0.1
34	73.0	73.1	-0.1
35	74.0	74.1	-0.1
36	75.0	75.1	-0.1
37	76.0	76.1	-0.1
38	77.0	77.1	-0.1
39	78.0	78.1	-0.1
40	79.0	79.1	-0.1
41	80.0	80.1	-0.1

IFCC

Certificate

Shenzhen Lifotronic Technology Co., Ltd. using H100 Hemoglobin Analyzer (HPLC) participated in the IFCC HbA1c Certification Programme to demonstrate traceability to the IFCC Reference Measurement Procedure and performed as shown below.

Date of Certification: 01 January 2024 Date of Expiry: 31 January 2025

IFCC

Certificate of Traceability

Manufacturer Certification

This certifies that **Shenzhen Lifotronic Technology Co., Ltd.** using **H100 Hemoglobin Analyzer (HPLC)** has participated in and successfully completed the NGSP certification for manufacturers and is traceable to the **Diabetes Control and Complications Trial Reference method**. The comparison was performed with: **Zhongshan Hospital ASRL#3**

The system evaluated was:

Instrument: H100 Hemoglobin Analyzer (HPLC)	Calibrator Lot: ISX1230020	Column Lot: 102NSX23100078
Reagent Lot: ISXA230070, ISXR230060, ISXC230070	Calibrator Assigned Values: 5.515%, 9.815%	

Date of Certification: February 1, 2024 Certification Expires: February 1, 2025

NGSP Steering Committee Chair: *David S. Sacks* NGSP Network Coordinator: *Paula R. Little PhD* SRL director supervisor: *Paula R. Little*

NGSP

