



LD-561

Fully Automated HbA1c Analyzer

A single, integrated platform for both diabetes and β -thalassemia testing.

 HPLC System

 For HbA1c Testing

 With Efficiency

LD-561

HPLC golden Standard for HbA1c Testing

The fully automated HbA1c analyzer LD-561, uses the high performance liquid chromatography (HPLC) method, a gold standard that reports the fastest available throughput of HbA1c results in just 90 seconds, with abnormal hemoglobins detection, providing the outstanding solution for quick and reliable diabetic monitoring.



High Efficiency



High Resolution

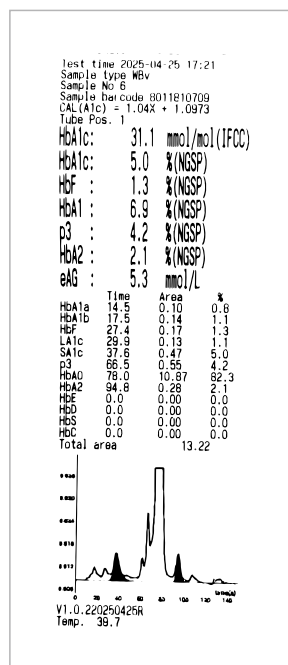
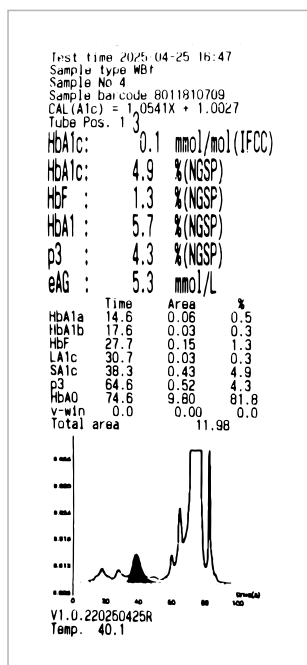
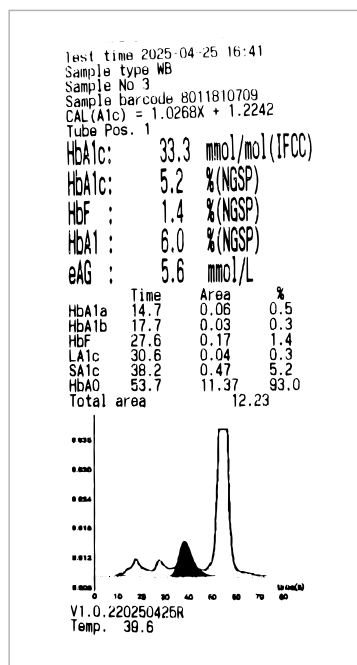


High Sensitivity



Excluding
interference of variants

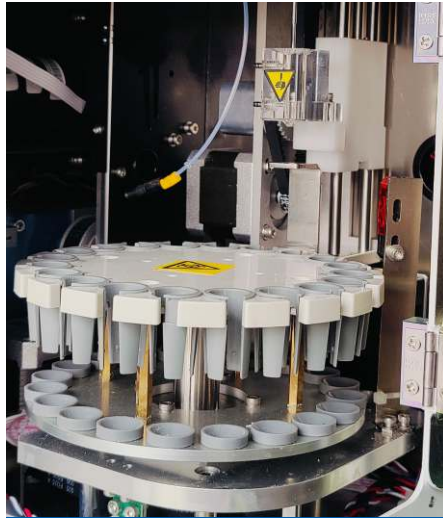
Highly Accurate Measurements





Full Automation

- Autoloader for 20 Tubes
- Automatic scanning of barcode
- Primary tube sampling with cap piercing



Fast & Accurate

- HPLC method for HbA1c testing
- Excellent precision: $CV \leq 1\%$
- Up to 40 samples/hour



Convenient Operation

- 10.1" LCD touch screen to provide clear information
- Auto washing for self maintenance at startup
- One click to start testing and switching modes

A single column is compatible with fast mode, fast-variant demo, thalassemia mode.

V



Quality & Performance



L-560601

600T

L-560101A	Eluent A	2 Bags
L-560101B	Eluent B	1 Bag
L-560102C	Eluent C	2 Bags
L-560101H	Hemolysis	2 Bottles
L-560104H	Hemolysis	1 Bottle
L-560101L	Column Filter	1 Pc
L-600104R	Paper Rolls	12 Pcs

SPECIFICATIONS

Method	High Performance Liquid Chromatography (HPLC)	Detection Method	Dual-wavelength colorimetry
Test Mode	Fast mode, Fast variant mode, Variant mode, Thalassemia mode.	Parameters	Fast mode: Direct measure HbA1c. Fast Variant mode: HbA1c results without interference from common hemoglobin variants: HbF, HbS/C/D/E. Variant mode: HbA1c results without interference from common Hemoglobin variants and HbF, HbS/C/D/E can be detected. Thalassemia mode: Simultaneous quantitative HbA2, HbF, and HbA1c determination. Detection of common hemoglobin variants HbS, HbC, HbD, HbE.
Reagents Kit	Eluent A, Eluent B, Eluent C, Hemolysis, Column Filter, Chromatography Column, Control, Calibrator,	Report range	HbA1c: 3%–18% HbF range: 0.8%–16.5% A2 range: 1.5–11.4%
Wavelength	415nm+600nm	Sample Type	Whole Blood, Pre-diluted blood
Autoloader Capacity	20 Tubes	First Sample Results	4 Minutes
Precision	CV ≤ 1%	Column Capacity	6,000 Tests
Filter	600 Tests	Storage	5,000 Sample Results
Report Range	3–18%	Working Condition	Temperature: 10–30°C, Humidity: ≤80%
Power	AC, 100–240V, 50/60Hz, 300VA	Dimensions	378mm(L)×380mm(W)×510mm(H)
Test Speed	Fast Mode ≤ 90 Seconds/Test Variant Mode ≤150 Seconds/Test	Fast Variant Mode ≤115 Seconds/Test Thalassemia Mode ≤6 Minutes/Test	



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