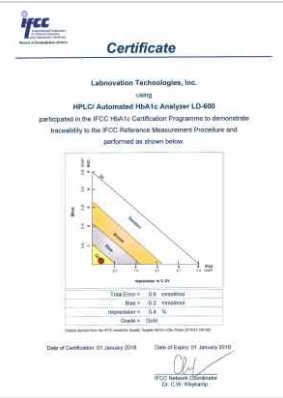


SPECIFICATIONS

Model	LD-600	Precision	CV < 2%
Method	HPLC (High Performance Liquid Chromatography)	Column Capacity	3000 tests
Parameters	HbA1c, HbF, HbA1a, HbA1b, HbA0: HbA2 (optional)	Report Range	3-18%
Test Speed	65 seconds per test	Working Condition	Temperature: 15-30°C
Wavelength	Dual, 420/600nm		Humidity: 30-85%
Sample Type	Whole Blood, Pre-diluted blood	Voltage	100-240VA
Autoloader Capacity	110 tubes, continuous loading for more testing	Frequency	50/60Hz
Reagents Kit	Buffer A, Buffer B, Hemolysis, Chromatography Column	Dimensions	760mm×600mm×570mm

NGSP & IFCC certified



Reagents Kit

Catalogue	Description	Pack size
L-500301	HbA1c Control Kit	Level 1:0.1ml×3,Level 2:0.1ml×3
L-500201	HbA1c Calibrator Kit	Level 1:0.1ml×3,Level 2:0.1ml×3
L-600104	Glycosylated Hemoglobin Test Reagent Kit	600T



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Product information and specifications are subject to change without notification V1803EN



LD-600

HPLC System for HbA1c Testing

HPLC System
For Quick HbA1c Testing
With Efficiency





FACTS ABOUT DIABETES

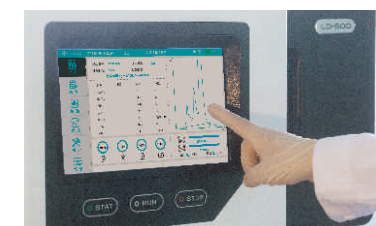
The number of patients with diabetes increased from 108 million in the year 1980 to 422 million in the year 2014. In 2014, 8.5% of adults (above age 18) globally has diabetes, and in 1980, this rate was 4.7%. The rate of diabetes is growing faster in the under-developed countries. Diabetes has become the major cause to blindness, kidney failure, heart attack, stroke, and lower limb amputation. In 2012, 1.5 million of cases of death had direct relation with diabetes; another 2.2 million of death was related with high level of blood sugar. Half of the death with high level of blood sugar happened before their age 70. According to WHO, diabetes would become the 7th cause of death by 2030. Glycated Hemoglobin (Hemoglobin A1c, or HbA1c as abbreviation) testing by High Performance Liquid Chromatography (HPLC) method is the golden standard for diabetes diagnosis, and treatment assessment. Every patient with diabetes is advised to have their HbA1c tested for 2-4 times annually. As the education to both the professionals and the patients goes on, the importance of HbA1c testing has been widely accepted and acknowledged.



LD-600 HPLC System for HbA1c Testing

- Proven golden standard method for HbA1c testing
- Fast: 65 seconds per test
- Large capacity autoloader for 110 tubes, and one STAT for emergency
- Control & Calibrators by original manufacturer
- IFCC and NGSP certifications
- CV<2%
- Large size touch screen for rich information and easy operation

LABNOVATION



Proven golden standard method: HPLC

- Avoided interference by HbF and other hemoglobin variants
- CV<2%



Full Automation

- Autoloader for 110 tubes, continuous loading for more testing
- Automatically recognizing sample type, and switching the testing mode
- STAT for emergency testing



Smart System

- Robust computing system
- Automatic scanning of barcode
- Integrated protocols for bi-directional data communication



Convenient Operation

- Auto washing for self maintenance at startup
- 10" LCD touch screen to provide rich information



Quality & Performance

- IFCC and NGSP certification
- Control & Calibrators from the original manufacturer

LD600 V03.06			
2017-10-10	18:06	1-7	
null	70		
HbA1c:	33	mmol/mol	
HbA1c:	5.2	%	
HbF :	1.2	%	
Sec	Area	%	
HbA1a	29s	0.1	1.1
HbA1b	31s	0.1	1.9
HbF	34s	0.1	1.2
LA1c	39s	0.1	1.3
SA1c	48s	0.4	5.2
HbA0	65s	6.9	89.4
Total Area Value	7.7		

