

G60 Auto Glycated Hemoglobin Analyzer

High Pressure Ion Exchange Liquid Chromatography(HPLC)

Technical Specification

Methodology: High-Performance Liquid Ion-exchange Chromatography (HPLC)

Sample Type: Venous whole blood, capillary blood, or hemolyzed blood

Sample Volume: 5 μ L whole blood (or 5 μ L lysed blood with 1000 μ L diluent)

Test Modes:

Fast Mode: 90 sec/test

Variant Mode: 145 sec/test

β -Thalassemia (A2/F) Mode: 300 sec/test

Reported Parameters:

NGSP & IFCC Results,HbA1a,A1b,HbF,LA1c,Alc(stable Alc),A0,HbA2,Hb Variants (S, C, D, E, J, etc.)

Measurement Range:

HbA1c: 3–25%

HbF: 0.3–45%

HbA2: 0–15%

Precision: CV $\leq$ 2.0%

Carryover contamination rate: $\leq$ 2%

Column Capacity: $\geq$ 4,000 tests (up to 10,000 tests)

Data Management: 15.0" TFT color touch screen + built-in thermal printer + USB/LIS/HIS connectivity

Operating Conditions: Temperature: 5–38°C; Humidity: 30–75%

Dimensions: 280 × 485 × 552 mm

Weight: 25 kg

Power Supply: 110–220V, 50/60Hz



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Declaration: Our company has the final interpretation and decision-making power over the information provided in this manual.



G 60

Auto Glycated Hemoglobin Analyzer

High Pressure Ion Exchange Liquid Chromatography(HPLC)

Focusing on blood analysis, trustworthy

G60 HPLC Hemoglobin Analyzer

Dual-Function Integration: Simultaneously supports HbA1c testing for diabetes management and HbA2/F screening for thalassemia in a single platform.

Superior Interference Resistance: Automatically identifies and excludes common hemoglobin variants (e.g., HbS, C, D, E, J) to ensure high accuracy of HbA1c results.

Ultra-Fast Turnaround: Delivers results in as little as 90 seconds per sample (Fast Mode), with the first result in under 3 minutes.

Effortless Operation: Fully automated workflow—including tube piercing, barcode scanning, and smart alerts—requires no specialized training.



- Fully compliant with NGSP and IFCC international standards ensuring globally recognized and interoperable HbA1c results.
- Automatically flags hemoglobin variants (e.g., HbS, C, D, E) using the same chromatography column and buffer system—preventing misdiagnosis and reducing unnecessary genetic testing costs.
- Dual-mode testing (HbA1c & HbA2/F) on the same column — no need to switch reagents or columns
- Calibration-free design
- Integrated pre-sieve column (supports 300–400 tests) for dual protection
- High-pressure pump lifespan >8 years; switching valve rated for >100,000 cycles
- Accepts primary EDTA tubes directly—no sample transfer needed
- Dual input options: barcode scanning or manual keyboard entry
- Real-time alerts for low buffer levels to prevent workflow interruptions
- Customized Laboratory Report
- USB port for Software Upgrade & Data Transfer
- PC software with Curve for official Report

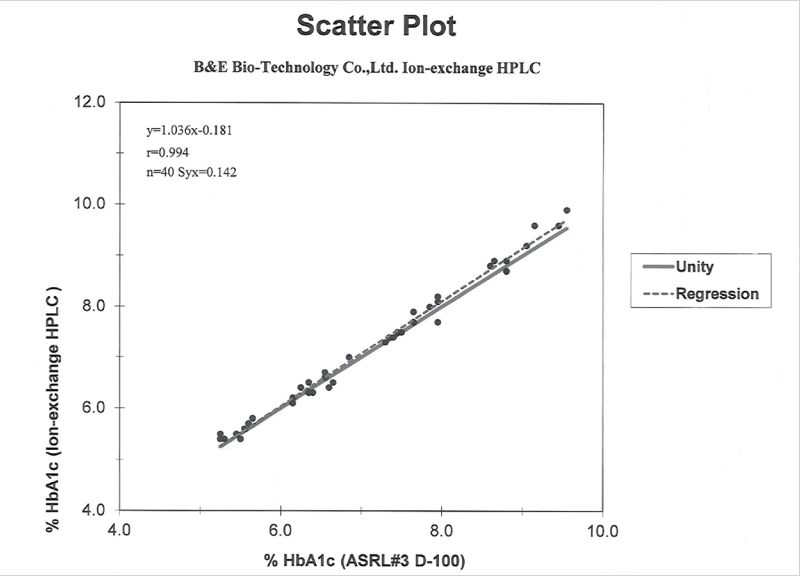
Precision in Every Drop.

A smart, high-speed HPLC analyzer for precise HbA1c testing in under 90 seconds.

Precision

	Within-Run(n=20)		Inter-Run(n=20)	
	Low	High	Low	High
Mean	5.73	11.26	5.54	10.23
SD	0.044	0.124	0.057	0.114
CV(%)	0.77%	1.10%	1.03%	1.11%

Comparative Test



Sample Chromatogram

