

Technical Specifications

Model	BH60 / BH60G
Principle	Ion-Exchange HPLC 2-wavelength absorbance (detection length: 415nm)
Test Items	HbA1c (s-A1c), HbF
Sample Volume	Blood collection tube: ≥1mL, Sample cup: ≥0.5mL
Maximum Loading Capacity	Up to 110 samples at a time, automated continuous loading
Analysis Mode	Whole blood mode, Pre-dilution mode Variant whole blood mode, Variant pre-dilution mode
Testing Time	Standard mode: 60s/T Variant mode: 72s/T
Precision	CV≤ 1%
Detection Range	3% - 20%
Result Unit	NGSP (%), IFCC (mmol/mol)
Working Condition	Temperature: 10 °C - 35°C, Humidity: 10% - 85%
Data Storage	20000 analysis data with chromatogram, 2000 QC data with chromatogram,100 calibration data
Expected Life	10 years
Power Source	AC: 100-240V, tolerance ±10% Frequency: 50Hz / 60Hz, tolerance ± 3Hz Input power: 200VA
Dimensions	550mm(W) × 540mm(D)× 570mm(H)
Weight	45 kg
Storage and Transport Condition	Temperature: -10°C - 40°C, Humidity: 10% - 90%, Atmospheric pressure: 70 - 106Kpa

Product List

Catalog No.	Product
HP-M51	Automated Glycohemoglobin Analyzer
HP-M51-G	Automated Glycohemoglobin Analyzer (with 4G)
HP-Z111	Glycohemoglobin Analytical Column, 1 pcs/kit (500 tests)
HP-Z112	Glycohemoglobin Analytical Column, 1 pcs/kit (1000 tests)
HP-L121	Glycohemoglobin Reagent Kit (HPLC, Standard Mode), 500 tests/box
HP-L122	Glycohemoglobin Reagent Kit (HPLC, Standard Mode), 1000 tests/box
HP-L221	Glycohemoglobin Reagent kit (HPLC, Variant Mode), 500 tests/box
HP-L222	Glycohemoglobin Reagent kit (HPLC, Variant Mode), 1000 tests/box
HP-C121	Glycohemoglobin Quality Control, (2x1mL)/kit
HP-C122	Glycohemoglobin Quality Control, (10x1mL)/kit
HP-CA121	Glycohemoglobin Calibrator, (2x1mL)/kit
HP-CA122	Glycohemoglobin Calibrator, (10x1mL)/kit



BH60

Automated Glycohemoglobin Analyzer



Ultimate Accuracy with Extreme Efficiency

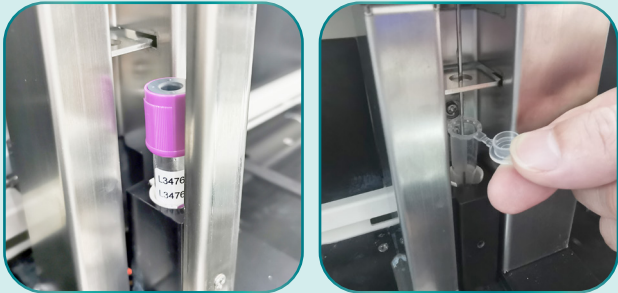


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Convenient and High Efficiency

High throughput

- Standard mode: 60 seconds/sample
- Variant mode: 72 seconds/sample
- Up to 110 samples at a time
- Automated continuous loading

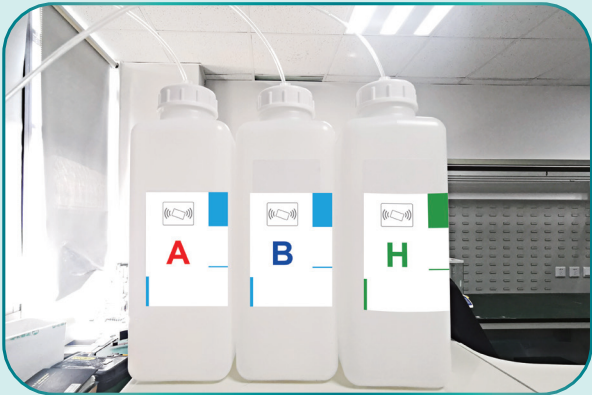


Flexible sample loading

- Support blood collection tube
- Support sample cup
- Support Emergency sample

Convenient operation

- Fully automated analysis
- Automated Turn-ON during work day
- Barcode automatic rotation and scanning
- Automatic sample stirring function
- Support for quantitative transfer of hemolysis buffer without manual operation



Intelligent management

Intelligent consumables management:

- automatic identification of consumable type and expiry date
- automatic monitoring the remaining amount of consumables

Perfect user management:

- user login, result review, operation traceability

Support data management

- HIS/LIS communication

Great Accuracy and Excellent Precision

Gold standard: Ion-Exchange HPLC methodology
Good intra-assay and inter-assay repeatability

CV≤1%

Intra-assay repeatability
(n=20) HbA1c (% NGSP)

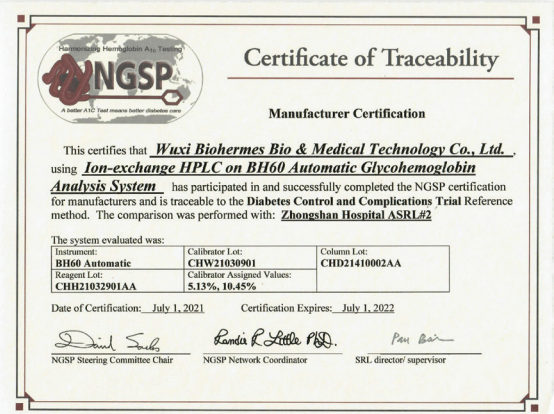
	Low	Middle	High
MEAN	5.26	7.88	10.10
S.D.	0.03	0.05	0.06
C.V.%	0.6%	0.7%	0.6%

Inter-assay repeatability
(n=20) HbA1c (% NGSP)

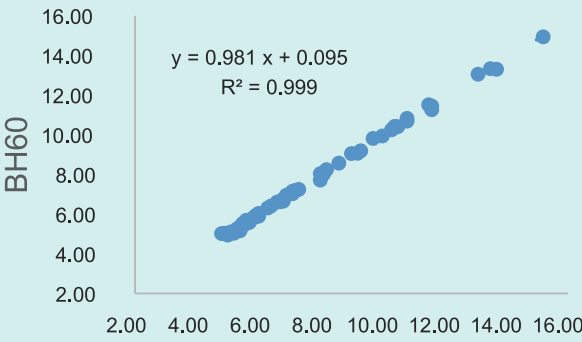
	Low	Middle	High
MEAN	5.25	7.89	10.11
S.D.	0.03	0.06	0.07
C.V.%	0.7%	0.8%	0.7%

Source: BioHermes internal testing data

NGSP & IFCC certified



Performance Comparison

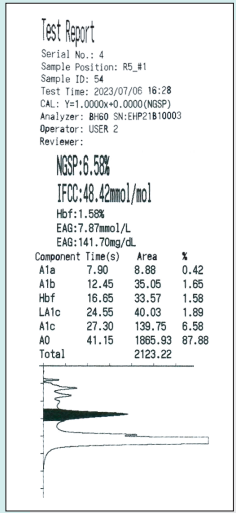


HPLC competitor of international leading brand

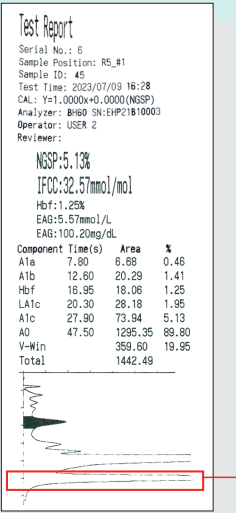
Anti-interference

Free of interference from hemoglobin variant & HbF

Variant analysis mode available, hemoglobin variants can be isolated



Standard Mode



Variant Mode

→ Variants