

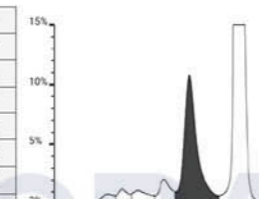
Automated Glycohemoglobin Analyzer

AH-600Pro

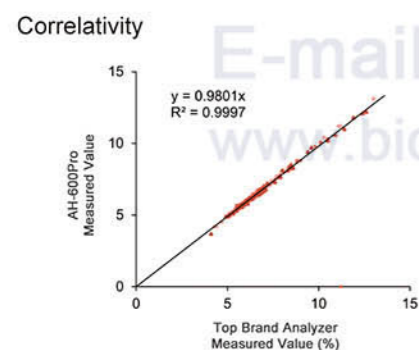
Features:

- ①. **Fast**
First test takes 2 minutes
1 Min/Test (60 tests/Hour)
Carousel sampler loading or puncture aspiration
- ②. **Precise**
Ion exchange chromatography / Three elution buffers
Report in both NGSP and IFCC results

Sample No.: 033	Sample ID: AI01-02	Name	%	Time	Area
Position: sampletype: hemolyzed blood	Gender: Age:	FP	0.09	0.17	0.87
Test Time: 2020-08-03 09:42:23		A1A	0.66	0.23	6.34
		A1B	0.8	0.29	8.05
		F	1.10	0.37	10.57
		LA1C+	1.57	0.48	15.02
		SA1C	10.78	0.59	87.82
		A0	86.65	0.79	892.90




③. Stable



Repeatability

Intra-batch assays (n=10)

	Low	High
Mean	5.1%	10.1%
SD	0.05	0.05
CV	0.94%	0.51%

Inter-batch assays (n=20)

	Low	High
Mean	5.1%	10.2%
SD	0.04	0.06
CV	0.87%	0.56%

④. Easy

- One key operation, smart settings.
- Automatically sampling, hemolyzing and mixing.
- Applying in whole blood and diluted blood.
- RFID scanner, management for reagent lot No., expiry date, and residue check.
- LIS bi-directional transmission with reports in both diagram and text.

Hemoglobin A1c:

Diagnostic Criteria of Type 2 Diabetes

Standards of Diagnosis	Plasma Glucose & HbA1c
Classic symptoms of high blood sugar+ HbA1c	≥6.5 %
or + FPG (Fasting Plasma Glucose)	≥126 mg/dl
or + OGTT (Oral Glucose Tolerance Test)	≥200 mg/dl
If without classic symptoms, each test usually needs to be repeated on a second day to diagnose diabetes.	

Testing should be carried out in a health care setting (such as clinics or hospital lab)

Clinical Usage of HbA1c

- ①. Early screening and diagnosis of diabetes
- ②. Effect evaluation of glycemic control for treatment adjustment
- ③. Differential diagnosis between stress hyperglycemia and diabetes
- ④. Prevention, monitoring and evaluation for complications of diabetes

Regular HbA1c Measurement:

- ①. Once per 6 months for the diabetics with glycemia well controlled;
- ②. Once per 3 months for the diabetics with failed glycemia controlled or treatment adjustment needed.

AH-600Pro Automated Glycohemoglobin Analyzer



Parameters:

Model	AH-600Pro
Measurement Principle	Ion-exchange HPLC
Test Mode	Standard mode/Variant mode
Throughput	Standard mode: 60s/test; Variant mode: 96s/test
Items	Standard mode: FP, A1A, A1B, F, LA1C+, SA1C, A0 Variant mode: With additional HbS, HbC, HbD, HbE
Measurement Range	HbA1c: 3%~20%
Repeatability	CV≤1.0%
Sample Type	Whole blood and diluted blood
Sample Volume	Whole blood: 3μL, diluted blood: 4μL
Sample Management	LIS loading, barcode scanning
Sample Position	20 samples (2 carousel sampler, each carousel sampler can load 20 samples)
Sampling Method	Carousel sampler loading, puncture aspiration
Result Report Form	Graphic report: both chromatogram and test result
HbA1c Report Form	In both graphic and value report with IFCC(mmol/mol) and NGSP(%) results
Consumable	Elution buffer, hemolysis & wash solution, column, filter, calibrator, control
Reagent Management	RFID scanning, automatically loading info of lot, expiry date and remains, etc.
Operation Interface	8 inches touch screen
Storage Capacity	100,000 results. Available for statistics, online queries, data backup, data export
Export&Communication	Bi-directional LIS, USB port, Ethernet interface, Built-in thermal printer
Maintenance	Automatic maintenance in startup and off, alarm and error indication, daily maintenance reminder & guidance
Power Supply	AC100~240V, 50/60Hz
Product Size(W*D*H)	306*466*435mm
Net Weight	20kg
Packing Size(W*D*H)	560*460*700mm
Gross Weight	28kg

Reagent:

Reagent	Qty	Specification
Eluent 1	1 Bottle	800ml/Bottle, room temperature
Eluent 2	1 Bottle	800ml/Bottle, room temperature
Eluent 3/4	1 Bottle	800ml/Bottle, room temperature
Hemolysis&Wash Solution	1 Bottle	2000ml/Bottle, room temperature
Chromatography Column	1 Piece	1 Column/Kit, 4~15°C
Filter	1 Piece	600 Tests/Change, room temperature
Calibrator	1 Kit	1 Vial*Level 1+1 Vial*Level 2; 4mL/vial, 2~8°C
Quality Control	1 Kit	1 Vial*Level 1+1 Vial * Level 2; 0.5mL/vial, 2~8°C