

Technical Data

Performance

Method:	HIGH Pressure ion exchange liquid chromatography (HPLC)
Repeatability:	≤3.0%
Sampling system:	Automatic identification system for Primary Tube & sample cup, Primary tube with cap puncture automatically
Sample Tray:	15 samples position, CAL1(QC1)& CAL2(QC2)position, ST
Sample type:	Venous Blood, Finger Peripheral Blood, or hemolyse blood
Sample Volume:	5ul whole blood, or lyse blood (ratio 5ul: 1500ul)
Test Range:	HbA1c: 4-17%; 20-162mmol/mol
Test Item:	HbA1c & β-Thalassemia
Sieve Plate:	250test/ sieve plate, 8sieve plate/ set
Result:	NGSP, IFCC result
Dilution Ratio:	1:300

Hardware

Light system:	415nm LED light, long life span
Pinter:	57mm*50mmThermal printer, printing test report and curve
USB port:	Support LIS system, software upgrade online, external barcode scanner optional
Barcode:	External barcode scanner optional
Display:	8inch LCD colorful touch screen, display real-time testing curve
Work Condition:	Temperature 5°C-40°C, Relative humidity ≤80%
Power supply:	AC220V, 50Hz
Dimension:	447mm*447mm*400mm
Weight:	28Kg

Software

Data Storage:	Ability to save and query online chromatogram sample data
Diversification:	Multi-language software
Report:	HbA1a, HbA1b, HbF, LA1c, A1c, HbA0, A2, variant sample (C-protein, D-protein, E-protein, S-protein)

HORRON®



H600

Fully Auto Glycated Hemoglobin Analyzer



Accurate measurement



Stable performance



Fast service

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Various Functions

- ▶ Fully modular design
- ▶ Superior performance LED detector, long life-span, no need pre-heat
- ▶ Temperature range for column 5-40°C, can keep the constant temperature, the fluctuation $\pm 0.2^{\circ}\text{C}$
- ▶ High stability pump to ensure the hemoglobin separation, maximum withstand pressure 200kg/cm² (2900psi), pressure sensitivity, fluctuation $\pm 1\%$

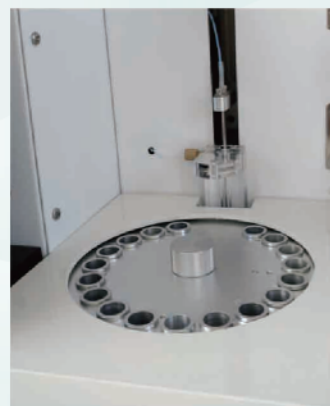
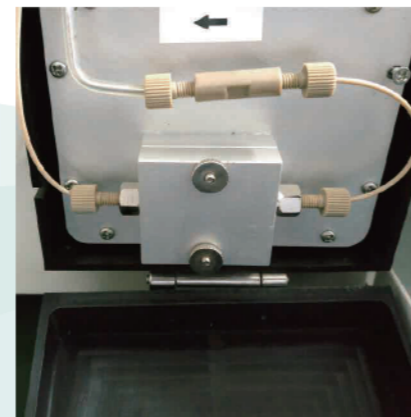


H600

Fully Auto Glycated Hemoglobin Analyzer

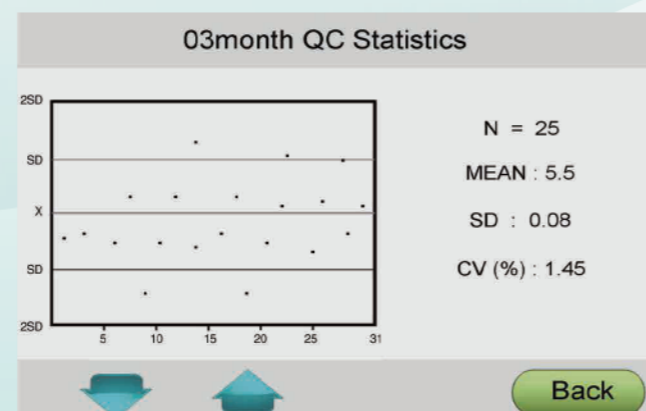
Easy Operation

- ▶ No sample pre-treatment
- ▶ Automatic primary tube sampling with cap puncture
- ▶ Auto identify the whole blood or lyse
- ▶ One touch to operate
- ▶ STAT capability
- ▶ 3.0 Mins per sample



QC/Calibration

- ▶ Automatic calibration, can correspond to IFCC & NGSP, get reliable result.
- ▶ Real-time quality control, can display real-time testing data and curve.



Easy Maintenance

- ▶ No special tools required for daily maintenance
- ▶ Online alarm message for reagent insufficiency
- ▶ Column: 2000test/ Column
- ▶ Sieve Plate: 250test/ Sieve Plate

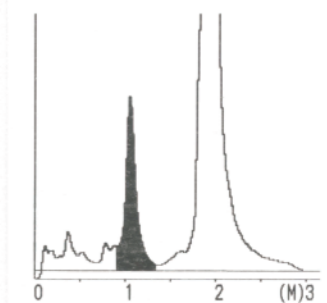
Ion-Exchange Liquid Chromatography

Precision

	Within-Run (n=20)		Inter-Run (n=20)	
	Low	High	Low	High
Mean	5.54	10.74	5.60	10.66
SD	0.06	0.07	0.10	0.12
CV(%)	1.08	0.65	1.79	1.13

Sample chromatogram

HbA1c report
 *** H600 1.3.8.K ***
 Date : 2021/01/21 10:13:22
 Number : 11567 SampleID:0513
 Project : HbA1c
 HbA1c 06.7 % NGSP †
 (4.0% - 6.0%)
 049.6 mmol/mol IFCC



Name	Time	Area	%
A1a	030	0004.7	00.6
A1b	041	0004.9	00.6
F	051	0004.2	00.6
LA1c	066	0005.6	00.7
A1c	082	0031.1	06.7
A0	133	0704.8	93.3

Total Area: 0755.5

Comparative test

