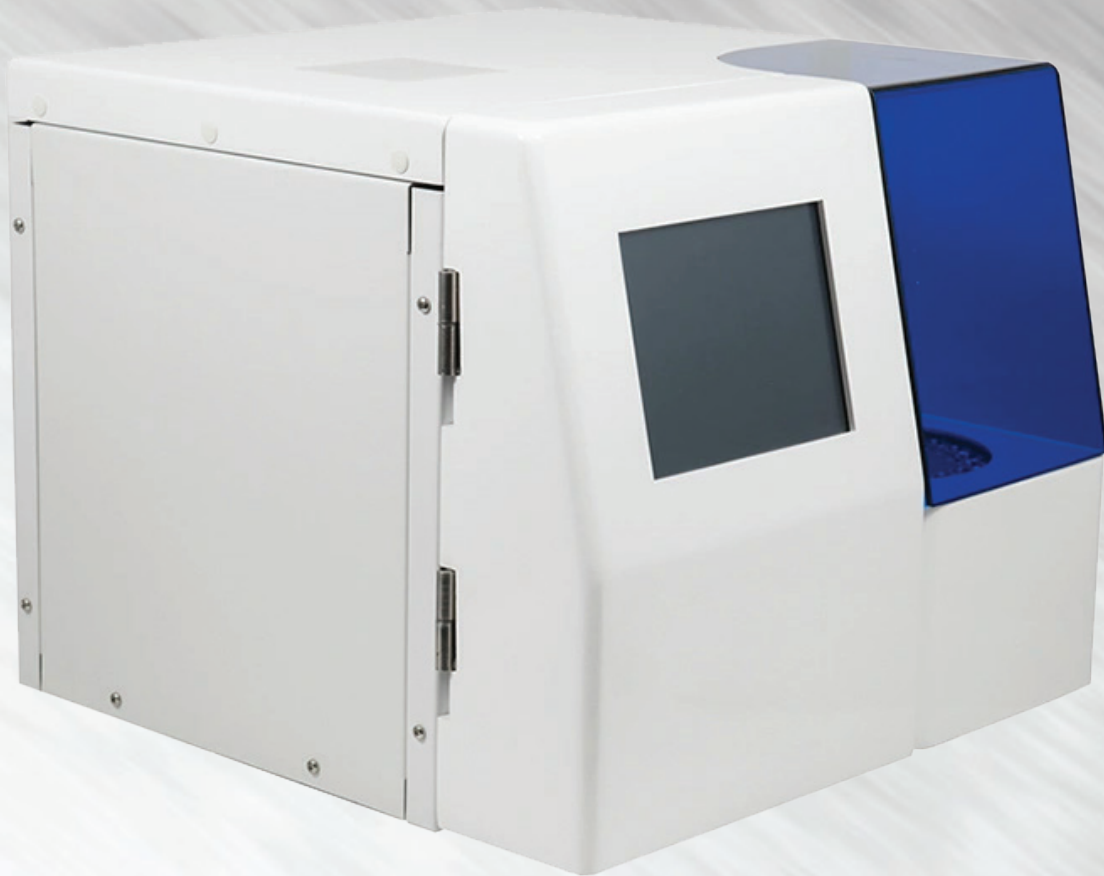




ES-HGB-800

Fully Auto Glycated
Hemoglobin Analyzer



LABORATORY



Easy Operation

- No Sample Pre—treatment
- Fully automated operation saves time and labor
- Automatic Primary tube sampling with cap puncture
- Auto identificate the whole blood or lyse
- STAT capability
- Batch sampling offer flexibility in workflow
- 3.0 Mins per sample

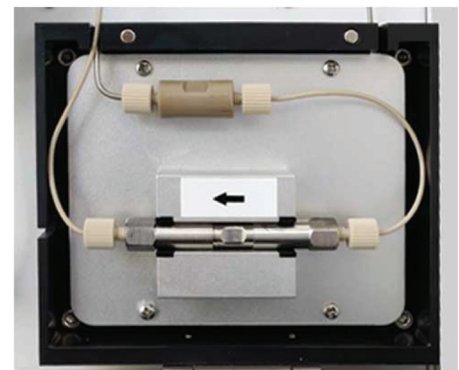


Easy maintenance

- No special tools required for daily maintenance.
- Online Alarm message for Buffer insufficient
- Fully modular design, if fault occurs, can find the damaged parts quickly and accurately, solve problems with fastest response.
- 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 ± 0.26
- High stability Pump to ensure the Hemoglobin separation, Maximum withstand pressure 200kg/cm² (2900psi) , pressure sensitivity, fluctuation $\pm 5\%$

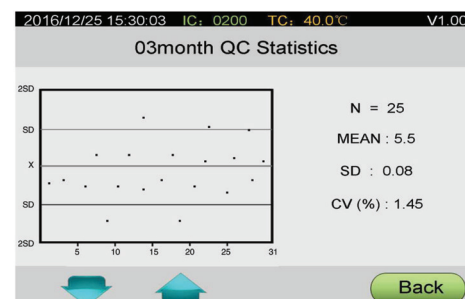
Superior HbA1c accuracy

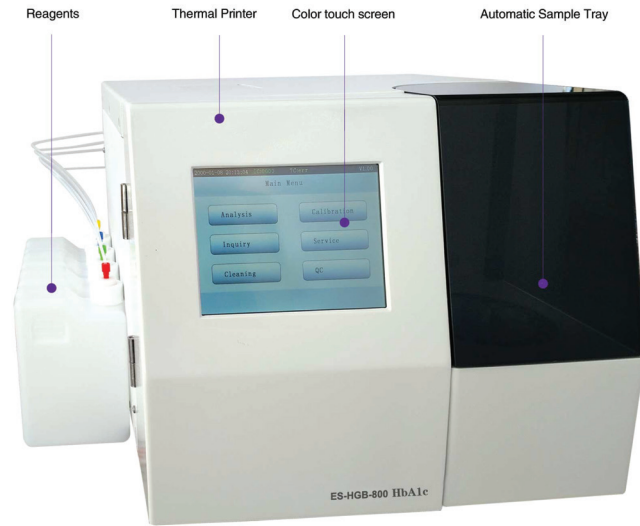
- HbA1c Standardization-compatible according to IFCC
- The measurement result includes information of each peak and chromatogram both of which can be utilized for analysis.
- Superior Quality chromatographic resolution to eliminate interferences.
- It provides direct determination of stable HbA1c (SA1c) with less than 2% CVs.



QC/Calibration

- Automatic Calibration, Can correspond to IFCC & NGSP, get reliable result.
- Built-in quality control management simplifies quality assurance compliance

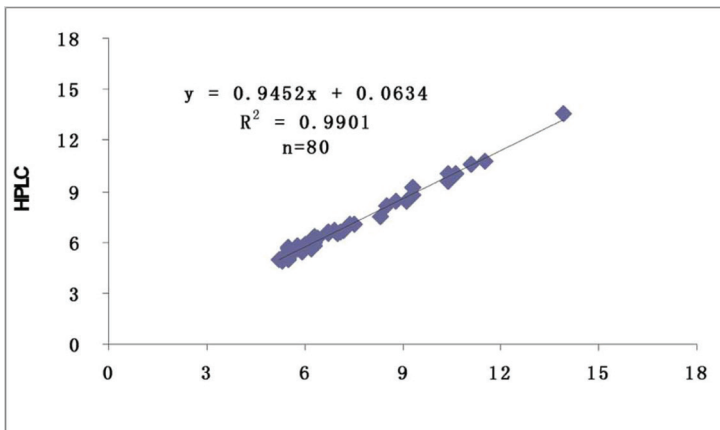




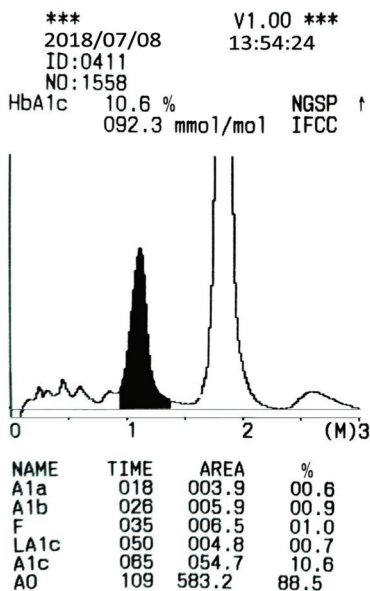
Precision

	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

Comparative test



Sample chromatogram



Specification

Method	HIGH pressure ion exchange liquid chromatography (HPLC)
Instrument	Fully—Auto Glycated Hemoglobin HbA1c Analyzer
Sampling system	Automatic identification system for Primary Tube & sample cup, Primary tube with cap puncture automatically
Throughput	s 3mins per sample
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:1000ul)
Test Range	HbA1c: 3-18%; 14-191mmol/mol, HbF:0.3-5%
Test Item	HbA1c HbF & β -Thalassemia
Heat system	Temperature range for column 5—406, can keep the constant temperature, the fluctuation ± 0.26
Light system	415nm LED light, long life span, the fluctuation is 2mv per hour
Printer	57mm Thermal printer, printing test curve and report
USB Port	Support LIS system, software upgrade online, external barcode scanner optional
Barcode	External barcode scanner optional
Display	8 inch LCD colorful touch screen, 162mm*122mm, display real—time testing curve
Data Storage	more than 10,000 test reports storage (including Curve), Inquiry freely
Language	English, Spanish, Russians, Portuguese, Japanese
Report	NGSP, IFCC result HbA1a, HbA1b, HbF, HbA1c, HbA0, variant sample report. Optional PC software for regular report format
Work Condition	Temperature 56-40°C, Relative humidity 30%-75%
Power supply	110V-220V, 50-60Hz
Dimension	460mm x 445mm x 390mm
Weight	28KGS