

MQ-6000(HPLC)

Glycated Hemoglobin Analyzer

FAST | CONVENIENT | HIGH-QUALITY



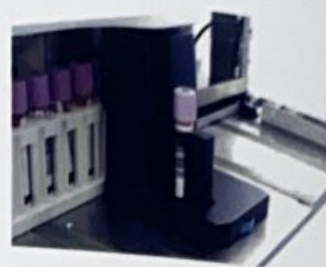
DIAGNOSTICS FOR MEDICAL CONNECTION

MEDCONN
DIAGNOSTICS

Specifications

Principle	High Performance Liquid Chromatography (HPLC) Ion Exchange
Sample Handler	Auto-switching between Diluted and Whole Blood Samples Sample Barcode Auto-reading Cap Piercing Auto-mixing 1 STAT Position
Time for Analysis	70s/test Normal Model 110s/test Long Model
Sample Aspiration Volume	4ul Whole Blood
Loading Capacity	100 Samples
Measuring Range (NGSP)	4%-17%
Precision	CV ≤ 2%
Detection Mode	Dual Wavelengths
Result Output	Built-in Terminal Printer LIS USB
Data Storage	100,000 Results with chromatogram
On Board Reagent	Auto-detection of on board reagent inventory
Operation Environment	10°C-30°C Humidity: ≤70% Altitude: self-adaptive
Power Supply	Voltage: 110vac - 240vac Frequency: 50/60hz
Dimension	720 mm × 700 mm × 700mm (Lx W X H)
Weight	40.3kg

Easy Operation with High Efficiency

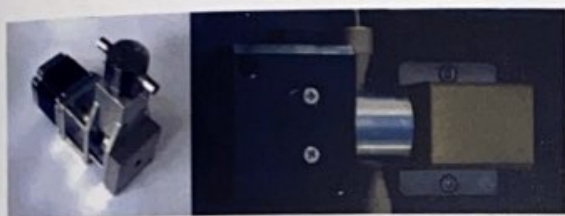


STAT Position

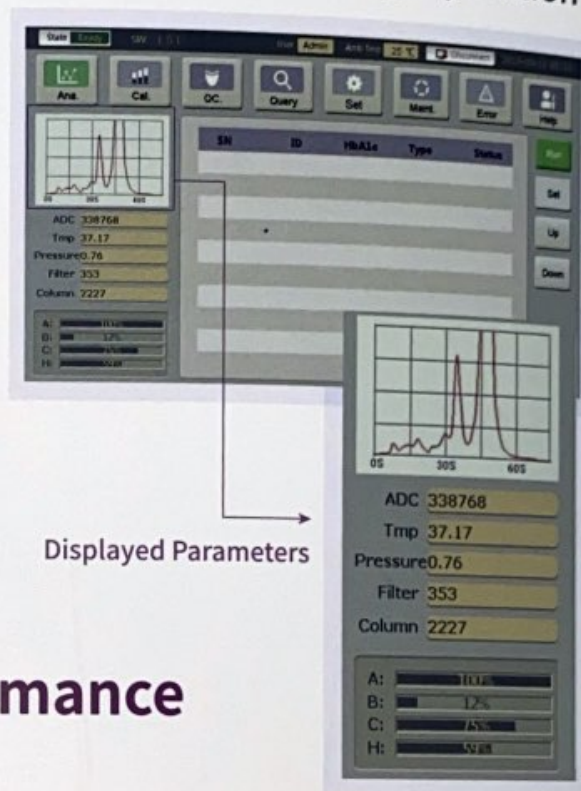
1 STAT Position allows high priority sample to be inserted at any time

Cutting-edge Technology for Excellent Performance

- Self-developed high-pressure plunger pump (Micro-pump) ensures a constant liquid velocity that gives high precision sample result
- 24 bits AD high-precision detector can detect sample absorbance with higher resolution and accuracy



Easy Operation



Outstanding Analytical Performance

Within-bath precision < 0.9%

Tests	Sample 1 (%)	Sample 2 (%)	Sample 3 (%)
1	7.1	5.7	13.7
2	7.0	5.7	13.6
3	7.0	5.7	13.6
4	7.0	5.6	13.5
5	6.9	5.7	13.5
6	7.0	5.7	13.6
7	7.0	5.7	13.6
8	6.9	5.6	13.6
9	6.9	5.7	13.6
10	6.9	5.6	13.6
11	6.9	5.6	13.4
12	7.0	5.6	13.4
13	7.0	5.7	13.5
14	7.0	5.7	13.5
15	7.0	5.6	13.5
16	7.0	5.6	13.6
17	7.0	5.7	13.6
18	7.0	5.7	13.5
19	7.0	5.6	13.5
20	7.0	5.7	13.4

	Sample 1 (%)	Sample 2 (%)	Sample 3 (%)
Mean Value	6.97	5.66	13.53
SD	0.05	0.05	0.07
CV	0.63%	0.87%	0.54%

Between bathes precision < 1%

		Low	High			Low	High
Day 1	1	6.6	9.5	Day 6	11	6.7	9.4
	2	6.5	9.4		12	6.6	9.4
Day 2	3	6.6	9.5	Day 7	13	6.6	9.5
	4	6.6	9.5		14	6.7	9.5
Day 3	5	6.6	9.4	Day 8	15	6.6	9.5
	6	6.6	9.4		16	6.5	9.4
Day 4	7	6.6	9.5	Day 9	17	6.5	9.4
	8	6.6	9.4		18	6.5	9.3
Day 5	9	6.5	9.4	Day 10	19	6.5	9.4
	10	6.5	9.4		20	6.5	9.4

	Sample 1 (%)	Sample 2 (%)
Mean Value	6.58	9.43
SD	0.06	0.05
CV	0.97%	0.58%

Data from one leading hospital in China

One Reagent Two Test Modes

Normal mode

70s for every result

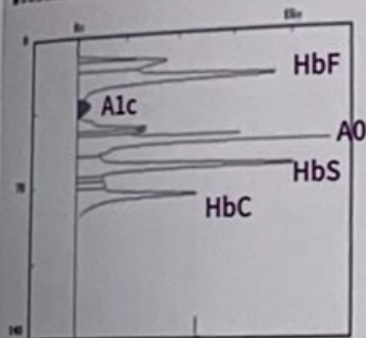
Long Mode

Hb-Varian Detection

HbD, HbS, HbC, HbE, HbQ-Tailand, HbG-Coushatta, HbG-Taipei etc.

Result Report:

MECONN 2021/11/16 11:21:34
 TEMP (C) : 37.0 PRESS (MPa) : 8.73
 SN: 1 Y=1.25*X+(1.46)
 ID: 20211116-1-1 STATUS: F
 M/N: 601U41006

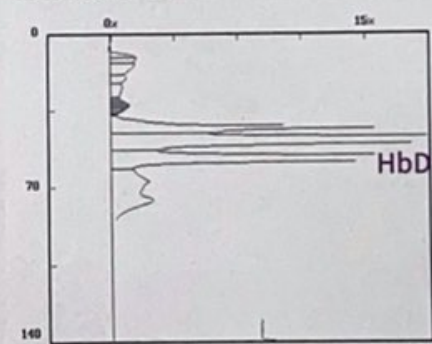
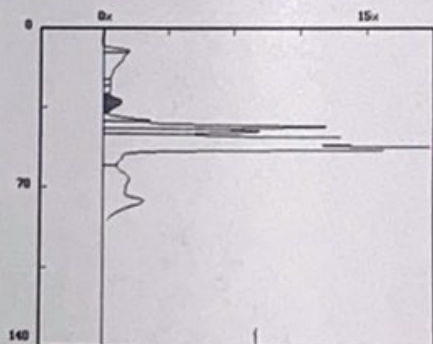


Peak	Time	Area	Ratio
A1ab	10.5	0.5761	2.47
F	16.4	2.2984	9.84
Unknown	25.1	5.7503	24.61
SA1c	39.4	0.6217	4.8
P3	52.5	1.2480	5.34
Unknown	54.6	0.8098	3.47
A0	59.6	12.1509	52.00
Variant	74.5	4.7619	20.38
Unknown	82.0	0.4105	1.76
Unknown	84.6	0.5949	2.55
Unknown	90.1	3.2183	13.77

NGSP(X) HbA1c : 4.8 F

Result Report:

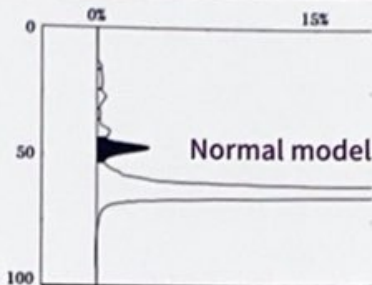
MECONN 2021/11/12 09:45:45
 TEMP (C) : 36.9 PRESS (MPa) : 8.60
 SN: 11 Y=1.25*X+(1.46)
 ID: 20211112-2-8 STATUS: A
 M/N: 601U41006



MECONN 2021/11/12 09:34:40
 TEMP (C) : 37.0 PRESS (MPa) : 8.48
 SN: 5 Y=1.25*X+(1.46)
 ID: 20211112-2-2 STATUS: OK
 M/N: 601U41006

Test report

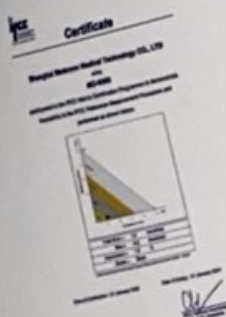
MECONN 2016/04/13 09:30:05
 TEMP(C):36.5 PRESS(MPa):7.8
 SN: 1 Y=1.17*X+(0.51)
 ID: 3007483140 STATUS:OK
 M/N: 60029008



Peak	Time	Aera	Ratio
Unknown	12.8	0.0902	0.33
A1ab	19.5	0.0977	0.35
Unknown	23.1	0.2305	0.83
F	30.6	0.0141	0.05
LA1c	33.6	0.0942	0.34
SA1c	41.0	0.9692	5.70
A0	55.1	26.0859	94.15

NGSP(%) HbA1c: 5.7
 IFCC(mmol/mol) HbA1c: 23.8
 eAG(mmol/l) HbA1c: 6.49

High-Quality



IFCC Traceable Results

- Calibrator values are assigned with the IFCC-RMP
- Lyophilized calibrators and quality control materials allow for long shelf life and easy transportation
- Storage and stability: 24 months at 2-8 °C



Product	Specification
HbA1c Calibrator (2 levels)	1 test/kit
HbA1c Control (2 levels)	0.25ml/kit, 0.5ml/kit

Convenience

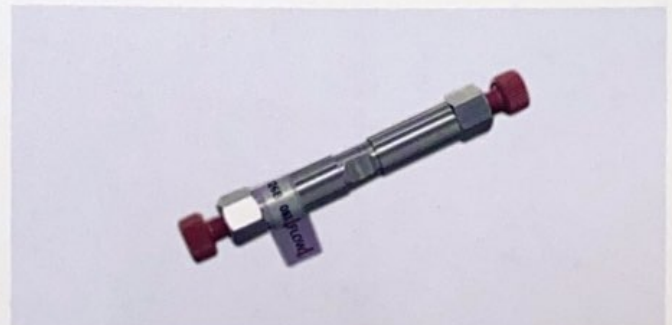
All in one reagent package simplifies cost and inventory management

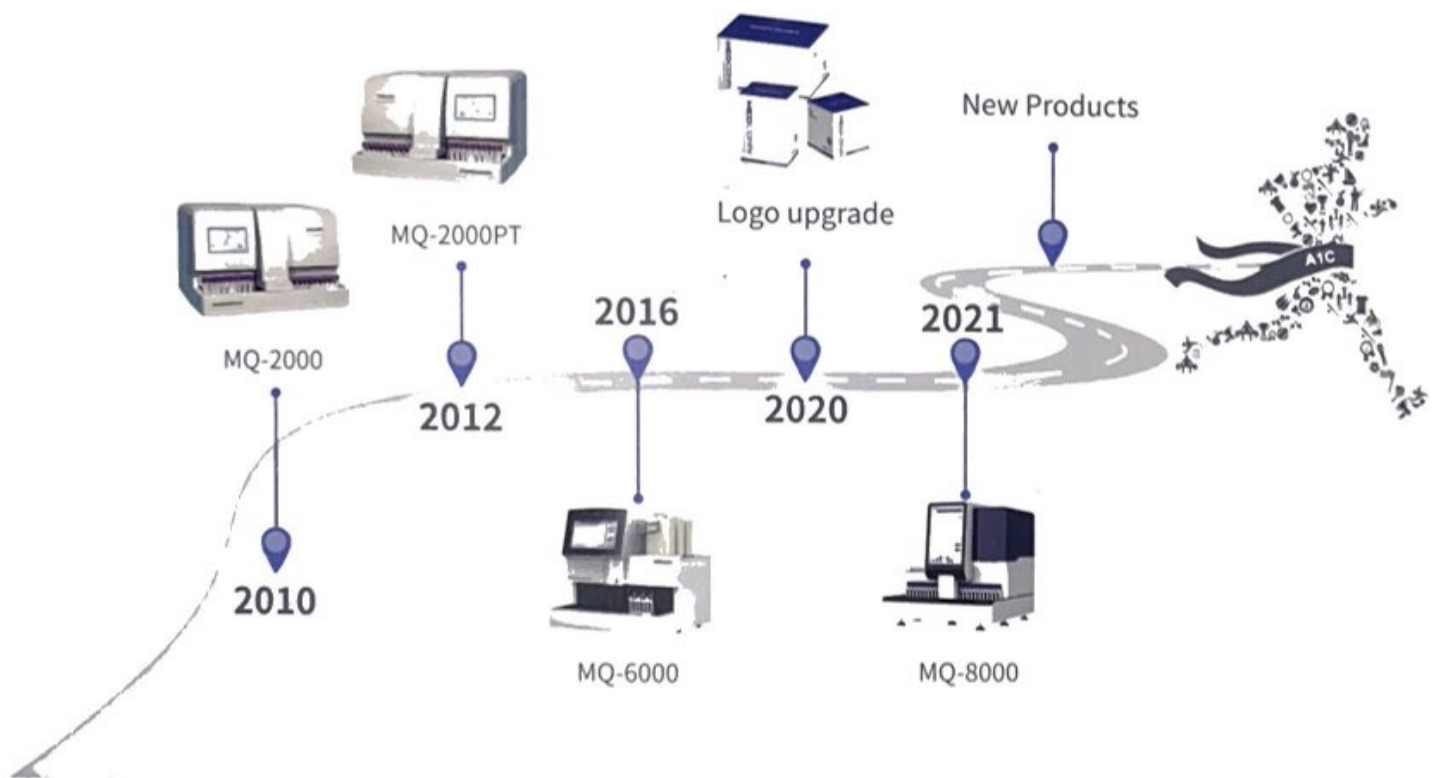
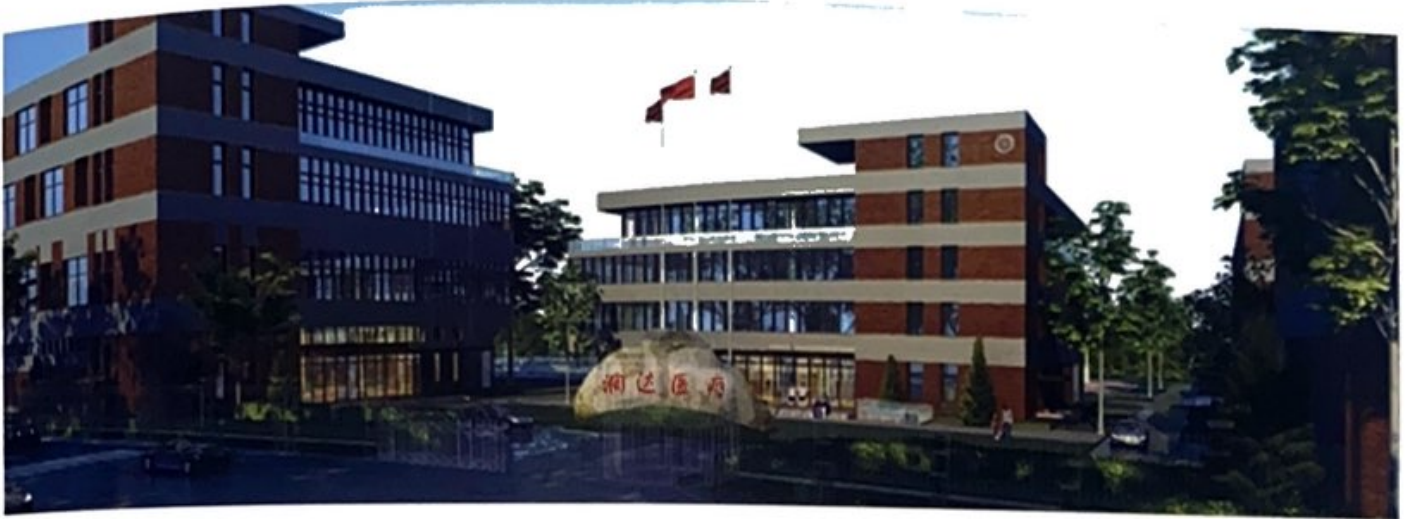
- Reagent
- Column
- Terminal Printer paper
- Filters



1000/3000 tests Reagent kit

- 4 months open bottle stability at 4-30°C
- 24 months shelf life at 4-30°C





Medconn is the leading brand in the field of HbA1c testing in China, providing professional products and service for the world.

MEDCONN
DIAGNOSTICS

Medconn Diagnostics

A: 7F, Tower 2, Landmark Center, No.89, Zhapu Road, Shanghai, China 200085

T: +86 21 5108 6726

E: International@medconn.com