

MQ-3000(HPLC)

Glycated Hemoglobin (HbA1c) Analyzer

Accurate | Compact | Functional



DIAGNOSTICS FOR MEDICAL CONNECTION

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DIAGNOSTICS

Accurate Results

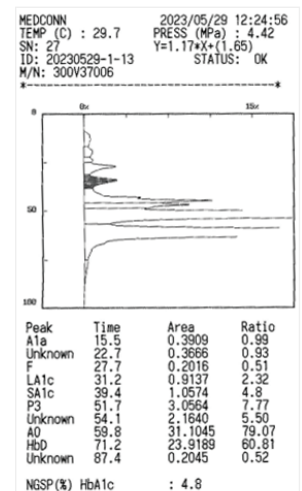
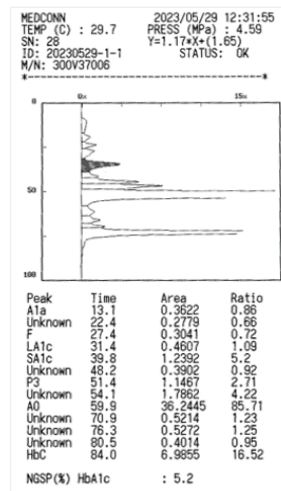
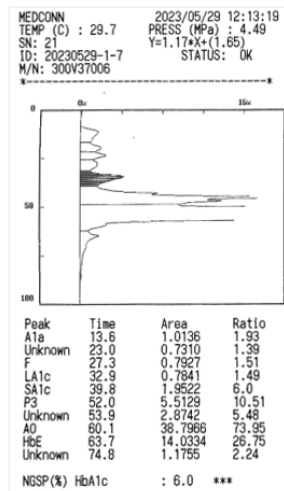
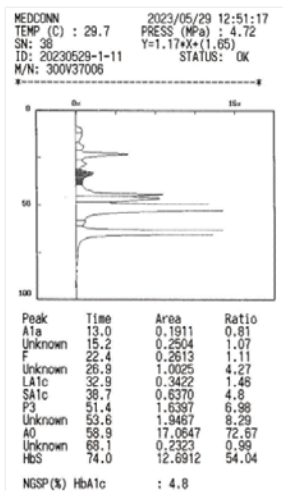
HPLC technology: Known as “Gold-standard” of HbA1c testing

Precision Verification of MQ-3000 from one hospital in China

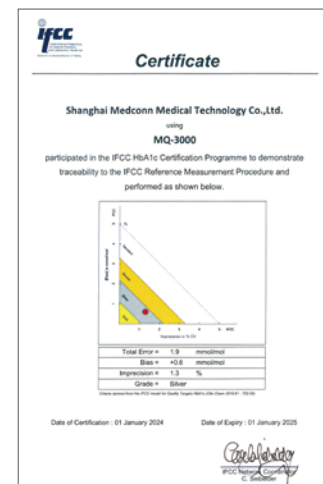
Days:5 Repeat times:3

Statistics	Level 1					Level 2				
	Day1	Day2	Day3	Day4	Day5	Day1	Day2	Day3	Day4	Day5
Repeat 1	5.6	5.7	5.7	5.8	5.8	11.3	11.5	11.4	11.5	11.4
Repeat 2	5.7	5.8	5.8	5.7	5.8	11.4	11.5	11.6	11.5	11.4
Repeat 3	5.7	5.8	5.7	5.8	5.9	11.4	11.5	11.6	11.4	11.5
Batch Mean Value	5.67	5.77	5.73	5.77	5.83	11.37	11.50	11.53	11.47	11.43
Batch SD	0.058	0.058	0.058	0.058	0.058	0.058	0.000	0.115	0.058	0.058
Intra batch precision (CV)	1.00%					0.60%				
Overall precision (CV)	1.33%					0.74%				

Variant Separation

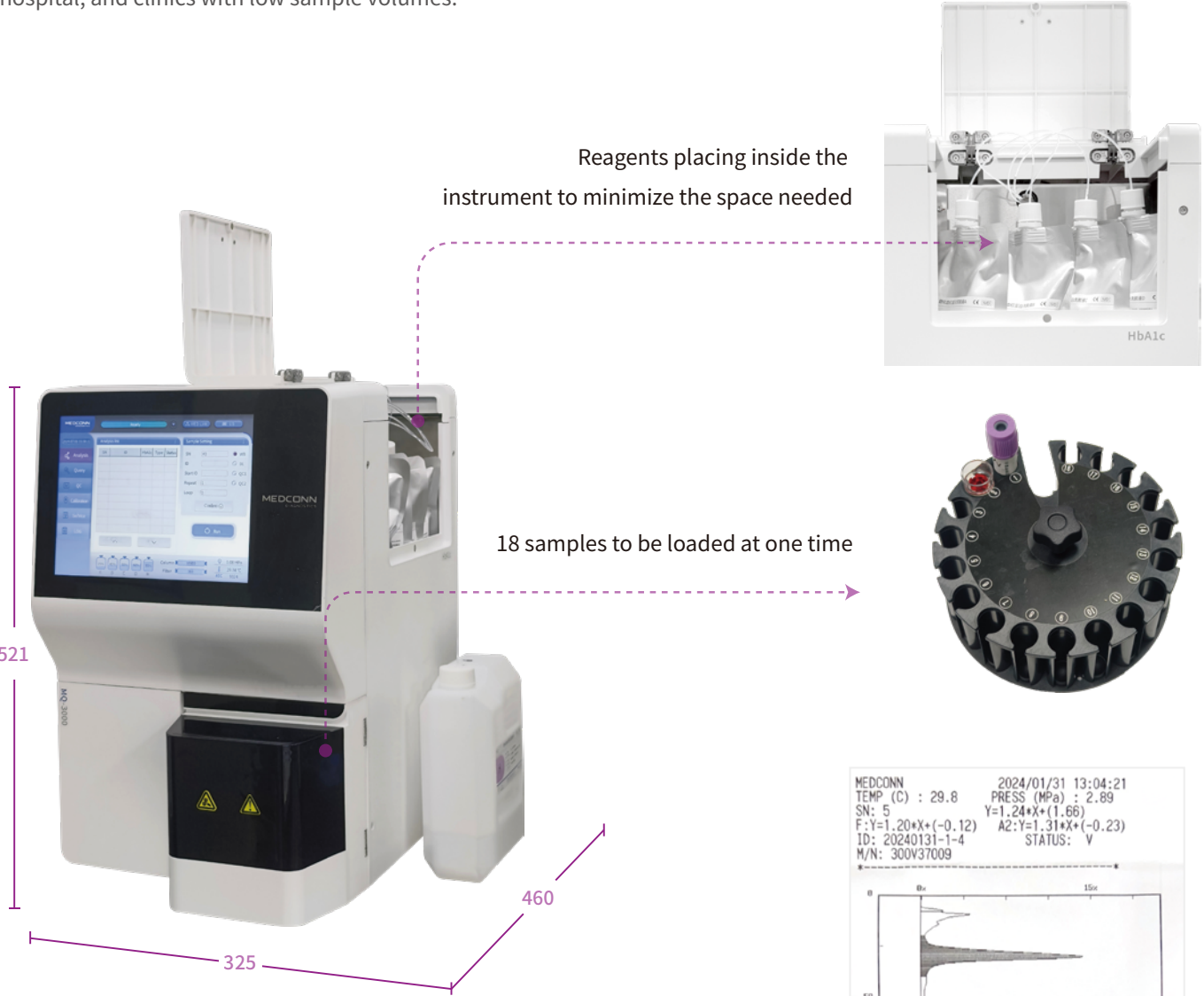


NGSP & IFCC Certificates



Compact Design

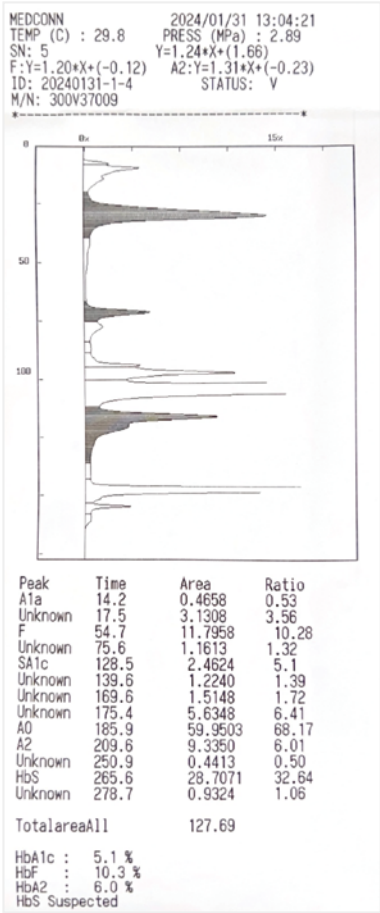
MQ-3000 Glycated Hemoglobin Analyzer is designed as compact footprint. It is specifically designed for clinical laboratories, hospital, and clinics with low sample volumes.



Dual Program

Normal and **Thalassemia** modes

- Common variants are detectable for both modes
- Accurate results are reported with the calibration of HbA1c, HbF, and HbA2



Easy to Use

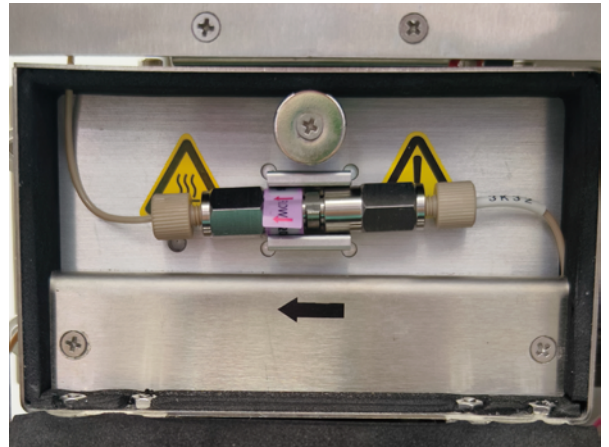
User friendly interface

- 10.4-inch touch screen
- All information shown in the screen



Easy maintenance

- Column and filter are easy to replace
- No special tools required for daily maintenance



Automatic

- Automatic cap piercing
- Dilution and whole blood sample auto-switching



Multiple input/output devices

- Graphs transmission to LIS system
- External printer and bar code reader connection
- Built-in thermal printer



Specifications

Principle	Ion Exchange HPLC
Analytes	HbA1c, HbF, HbE, HbD, HbS, HbC, HbA1a, LA1c, HbA0, HbA2 (Optional)
Throughput	112 sec/test for variant mode 6 min/test for thalassemia mode
Sample Consumption	Whole blood: 4µL Diluted blood: 100µL
Loading Capacity	18 Samples
Measuring Range (NGSP)	3.0%-20.0%
Precision	CV≤2%
Data Storage	On-board memory up to 100,000 results with graph
On board reagent volume detection	Software Calculation
Display	10.4 - inch touch screen
Output	Internal Thermal Printer LIS System USB
Sample Handler	Dilution and Whole Blood Sample Auto-switching External barcode reader Cap Piercing
Working Environment	10°C-30°C Humidity: ≤80% Altitude: Self-adaptive
Dimension	460 mm × 325 mm × 521 mm (L*W*H)
Weight	22.0 kg

Note: Design and specifications may be changed with the upgrade of system

Consumables

Multiple specifications meet the different needs of laboratories of different sizes.

Reagent Package

24 months shelf life

4 months on-board stability



• Reagent

• Haemolyser



• Column

Calibrator and Controls

24 months shelf life



• Hemoglobin A1c Calibrator

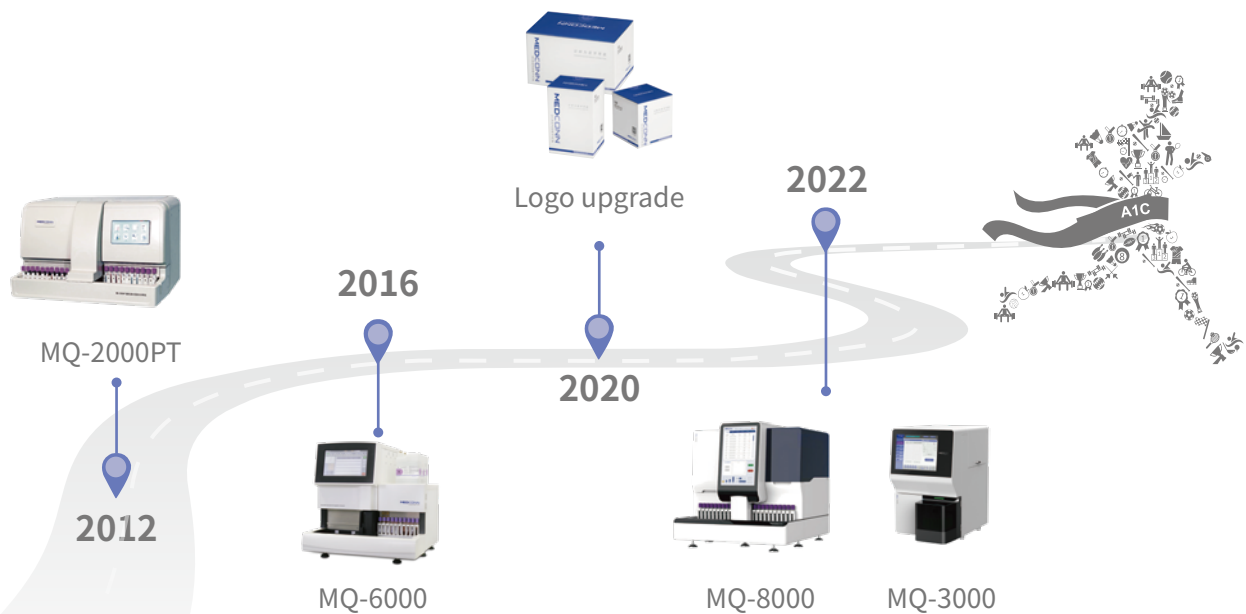


• Hemoglobin A1c Control

Company Profile



Medconn specializes in HbA1c HPLC products, providing professional products and service to the world.



Medconn Diagnostics, established in 1992, is a leading company specializing in the research and development, manufacturing, sales, and service of in vitro diagnostic (IVD) products. Headquartered in Hangzhou, China, Medconn Diagnostics serves a broad market across most provinces and regions in China, offering a comprehensive range of products, including HbA1c testing, Hematology, CLIA and Point-of-Care Testing (POCT), Biochemistry, etc.

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