

HORIBA

MEDCONN
DIAGNOSTICS

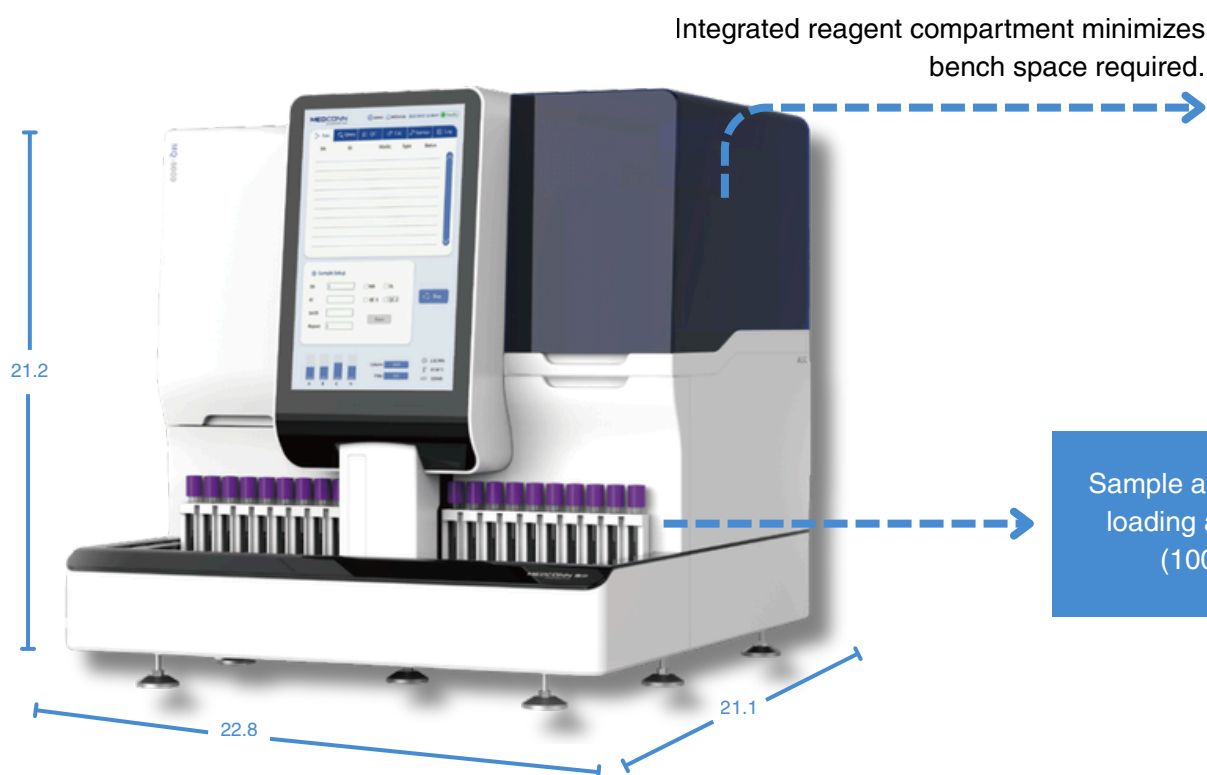
MQ-8000

Glycated Hemoglobin (HbA1c) Analyzer



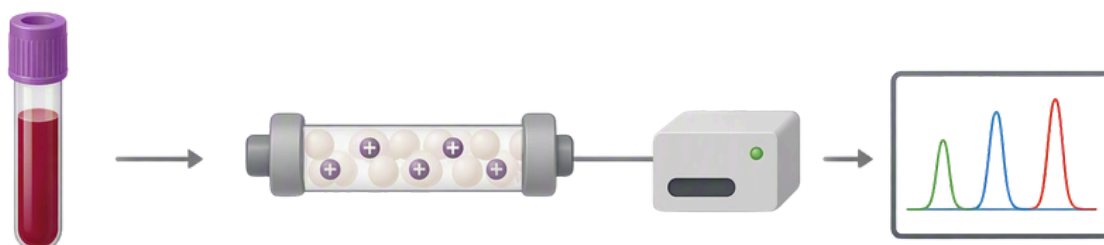
Compact Design

MEDCONN MQ-8000 Glycated Hemoglobin Analyzer is designed to maximize laboratory efficiency through high-throughput testing, continuous sample loading, and easy to use interface, supporting laboratories in processing samples with speed and reliability.



HPLC Method

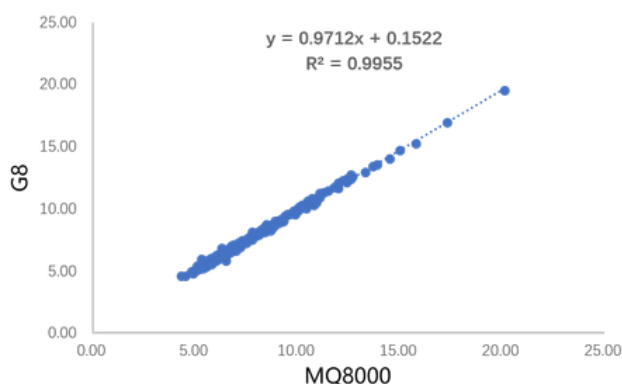
- This technique separates the different forms of hemoglobin based on their electrical charge. The column is made up of charged particles that attract and retain the hemoglobin molecules with different charges.
- Due to the excellent specificity and repeatability, HPLC is considered as the “gold standard” method for the determination of HbA1c.



Functional Product with Accurate Results

Accurate

- CV $\leq 1\%$, provides better repeatability
- NGSP and IFCC certificate
- Ability to separate common variants, HbE, HbS, HbC, and HbD, providing more information for clinical decisions



Efficient

- Only 45 seconds for fast mode
- Automatic barcode reading
- Automatic mixing
- Automatic cap-piercing
- Diluted and Whole Blood Sample Auto-switching



Easy to use

- Fully automatic, no manual operation required
- The 12.1-inch touch screen provides a clear interactive interface to avoid operator error



Functional

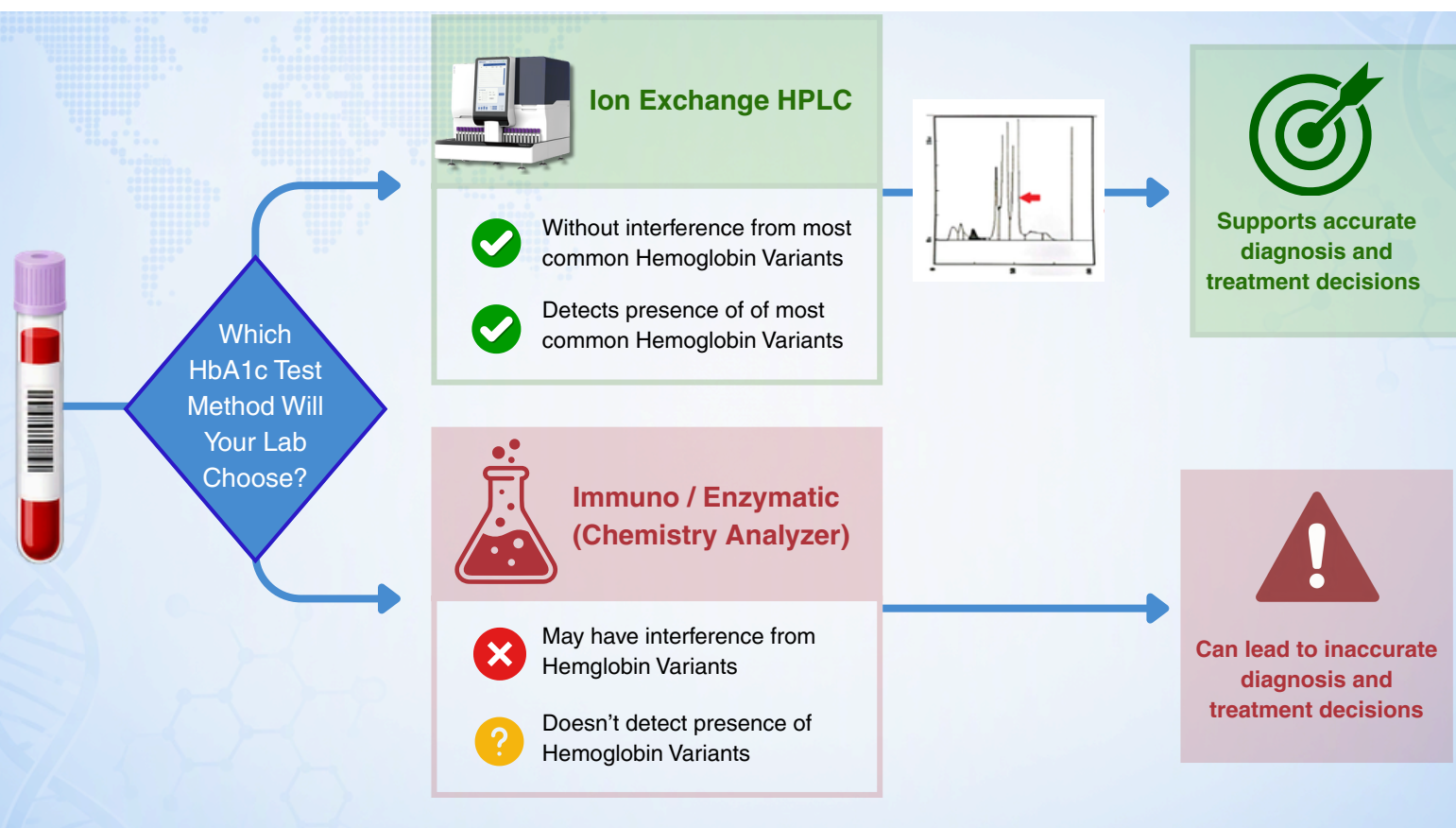
- Graph can be transmitted to the LIS system for easy query
- Supports bidirectional transmission of results



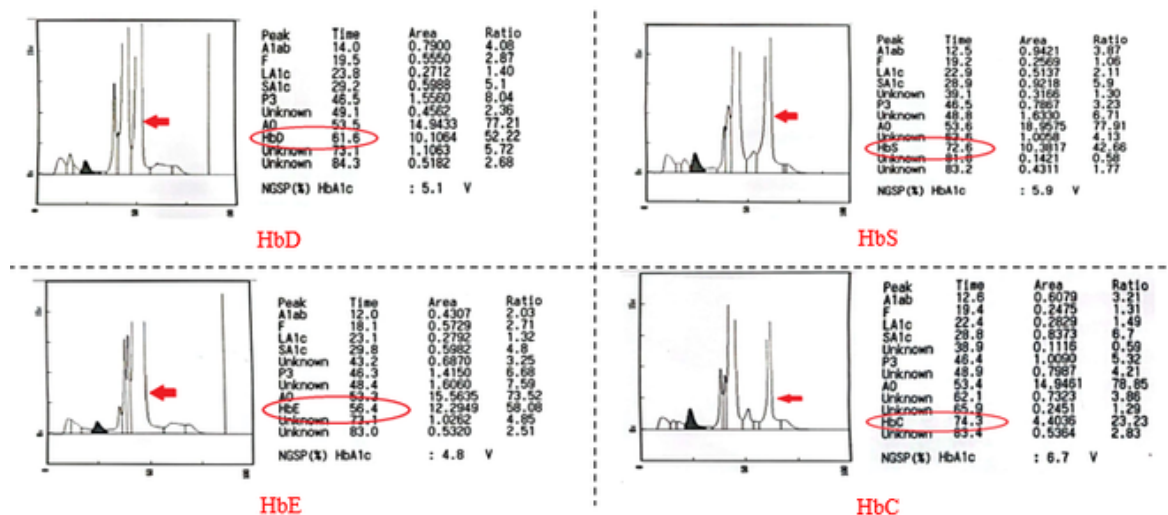
Accurate Results

Is Your HbA1c Test Delivering Accurate Results?

7% of individuals worldwide have a genetic Hemoglobin Variant



Variant Separation



Specifications

Principle	Ion Exchange HPLC
Analytes	HbA1c, HbE, HbD, HbS, HbC, HbA1a, LA1c, HbA0, HbF* (Flag Only)
Throughput	45 sec/test for fast mode 60 sec/test for normal mode 100 sec/test for long mode
Measurement Range	3.0-17.0%
Sample Volume	Whole Blood: 4uL
Sample Capacity	100 Samples (10 racks of 10 samples)
Precision	CV≤1%
Data Storage	On-board memory up to 100,000 results with graph
On board reagent volume detection	Weight Level Sensor
Sample Handler	Dilution and Whole Blood Sample Auto-switching, Internal barcode reader, Auto-mixing, Cap Piercing
Output	Internal Thermal Printer, LIS, USB
Reagent Open Stability	4 Months
Interface	12.1 Inch Touch Screen
Working Environment	10°C - 30°C, Humidity: ≤80%, Altitude: Self-adaptive
Dimensions (D x W x H)	21.1 x 22.8 x 21.2 in (536 x 580 x 538 mm)
Weight	143.3 lbs (65.0 kg)

Consumables

Reagents are available in 3000 and 6000 Test kit configurations, providing the flexibility to meet varying demands while streamlining procurement and inventory management.

Reagent Package

24 months shelf life 4 months on-board stability



• Column



• Haemolyser

• Reagent

Calibrators and Controls

24 months shelf life



• Hemoglobin A1c Calibrator



• Hemoglobin A1c Control



About HORIBA



HORIBA designs, develops and distributes worldwide, in vitro diagnostic systems mainly destined for biological analysis in medical laboratories. These automated analyzers meet the needs of various users including patients, doctors, private laboratories, clinics and university hospitals. HORIBA expertise in in vitro diagnostics is one of the most respected in hematology worldwide and contributes today to the healthcare of tomorrow.

HORIBA is an authorized US distributor of the MEDCONN MQ-3000 and MQ-8000 Glycated Hemoglobin (HbA1c) Analyzers.

Contact HORIBA

**Upgrade your HbA1c testing —
Experience the precision and efficiency of MEDCONN MQ-8000.**

Scan the QR code to contact a HORIBA Rep today!



FLY-00002