

## Specifications

performance	Technical index
Test item	Glycohemoglobin (HbA1c)
Principle	Boronate affinity chromatography
Test range	4.0% ~ 14.0%
Sample requirement	Human whole blood
Sample volume	3 $\mu$ L
Test time	2 minutes / sample
Result metric	NGSP (%); IFCC (mmol/mol)
Voice prompt	Voice prompt in the whole process of operation
Print	The test result are automatically printed
Data storage	1000 results
Data port	USB, RJ45 LAN, RS232-C
Wireless connectivity	WIFI
Power supply	External power adapter
AC input	100-240V ~, 1.5A, 50-60Hz
DC output	19.0V $\square$ , 4.74A
Temperature calibration	Automatic calibration by temperature sensor.
Dimension(mm)	(341 $\pm$ 2)mm $\times$ (266 $\pm$ 2)mm $\times$ (234 $\pm$ 2)mm
Screen size	154.1mm $\times$ 85.9mm
Weight of analyzer	4.4Kg
Working condition	Temperature: 10 ~ 40°C, Humidity: 30% ~ 75%, Atmospheric pressure: 700hpa ~ 1060hpa
Storage condition	Temperature: -20 ~ 55°C, Humidity: < 80%, Atmospheric pressure: 700hpa ~ 1060hpa

## Catalog

Product	Catalog No.	Contents
A1cChek Pro Glycohemoglobin Analyzer	A1C-M31 (01-E0)	A1cCheck Pro Glycohemoglobin Analyzer Power Adapter User Manual Quick Guide Cleaning and Maintenance Guide Warranty Hangtag
A1cChek Pro Glycohemoglobin Test Kit	A1C-S31	HbA1c Test Strips 200 Sanplers 200 Code Chip 2 Package Insert 1 Buffer A 35ml x 1 Buffer B 35ml x 1 Blood Collector 200

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# A1cChek Pro Glycohemoglobin Analyzer

## HbA1c Testing for Professional Use



## Simplest Operation with Great Precision

Accurate Result with CV < 3%

One-Step Operation

4 Samples / 8 Minutes

Sole Agent in Pakistan:

 **Mian Scientific Corporation (Pvt) Ltd.**

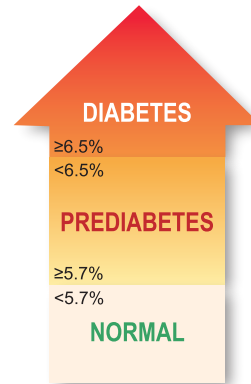
www.miancorp.com



# Cinical Application

## What is HbA1c

1. HbA1c, formed in a non-enzymatic glycation pathway by hemoglobin's exposure to plasma glucose, reflects average glycemia over several months.
2. As a primary technique to assess the effectiveness of diabetes management, HbA1c has strong predictive value for diabetes complications. Lowering HbA1c has been shown to reduce complications.
3. HbA1c  $\geq 6.5\%$  (48 mmol/mol) is one of the criteria for diabetes diagnosis. Normal HbA1c range is 4.0-5.7% (20-39 mmol/mol), while 5.7-6.4% (39-46 mmol/mol) is considered as prediabetes.
4. Point-of-care testing for HbA1c provides the opportunity for more timely treatment changes.



## One-step Operation

### Venous Blood



Shake the anti-coagulated venous blood tube up and down for at least 6 times. Use the blood collector to get one drop (approximately 3 microliters) of venous blood, and touch the sampler thread to the blood sample until the thread becomes all red.

### Finger Blood



Put the lancing device against the sampling site, press the release button on lancing device to prick the fingertip. Touch the sampler thread to the blood sample until the thread becomes all red.

### Apply the Blood Sample



Press and hold the sampler on the sampler port for 3 seconds. After three "beep, beep, beep", remove the sampler.

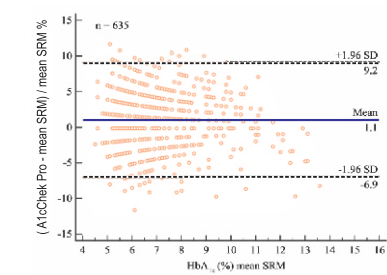
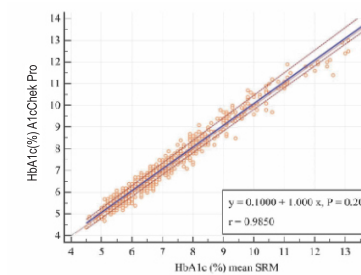
# Accurate Results

## Comparison Evaluation Report



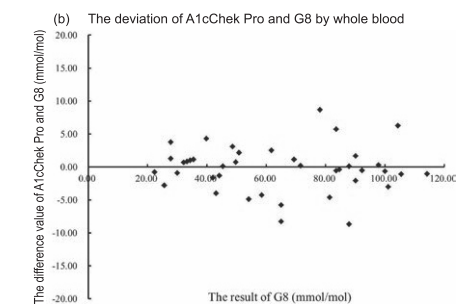
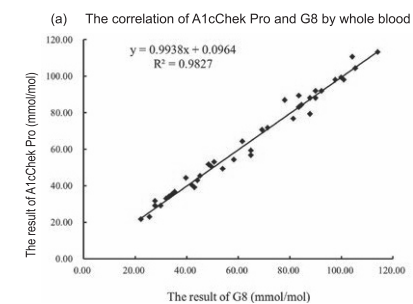
Shanghai Sixth People's Hospital

CV (%)	Sample 1 (5.2% HbA1c)	Sample 2 (11.6% HbA1c)
Within-run	1.9%	1.8%
Between-run	0.0%	0.6%
Between-day	1.4%	0.0%
Total	2.3%	1.9%



Beijing Center for Clinical Laboratory

Mean Value (HbA1c %)	SD	CV
5.58	0.15	2.60%
11.88	0.24	2.04%



## 17 Patents of 12 Countries

