

# A1C EZ 2.0

Unique Handheld POCT HbA1c Analyzer

# A1C EZ 2.0

HbA1c Analysis System  
(Boronate Affinity Chromatography)



## A1C EZ 2.0 COMPONENTS

Specifications	Technical Parameters
Testing Principle	Boronate Affinity Chromatography
Testing Item	Glycohemoglobin (HbA1c)
Testing Range	4% - 14%
Precision	CV<3% (HbA1c: 4.0%-6.5%)
Blood Sample	Finger blood or venous blood (EDTA Anticoagulation)
Blood Volume	About 3µL
Testing Time	About 5 minutes
Data Unit	Set in advance the data unit: NGSP%; IFCC mmol/mol; eAG mmol/l
Voice Prompt	Voice prompt in whole process
Data Storage	1000 test results
Data Port	Mini USB data interface, can be connected with HIS/LIS system/thermal printer
Data Transmission	Bluetooth Function (Optional)
Power Required	AAA battery x4
Analyzer Dimension	61.5mm x 122.9mm x 24.5mm
Screen Size	47mm x 32mm
Weight	112g (Does not include battery)
Operating Condition	Temperature: 10°C-40°C; Humidity: 30%-70%
Storage Condition	Temperature: -10°C-50°C; Humidity: <80%

## Catalog

Product Name	Catalog No.	Contents
A1C EZ 2.0 Glycohemoglobin Analyzer	A1C-M21	1 Meter 1 User's Manual 1 Operation Guide 1 Cleaning and Maintenance Guide 1 Warranty Card
A1C EZ 2.0 Glycohemoglobin Test Kit	A1C-S22	25 Test Strips 1 Buffer A 1 Buffer B 25 Blood Sampler 1 Code Chip 1 Package Insert

Wuxi BioHermes Bio & Medical Technology Co., Ltd.  
136 Meiliang Road, Mashan, Wuxi, Jiangsu, 214092, China  
Email: info@biohermes.com.cn  
www.biohermes.com



**Joseph E. Ruggiero**  
The CEO of BioHermes  
(Former Global Senior Director  
of Bayer Diabetes Care)

## Unique Handheld HbA1c Analyzer for Better Diabetes Care

- Portable Testing of HbA1c
- Accurate Result with CV<3%
- Only 5 mins Easy and Fast Operation
- Room Temperature Storage



## About HbA1c

### What is HbA1c

- HbA1c is one of the two primary techniques available for health providers and patients to assess the effectiveness of the management plan on glycoemic control.
- HbA1c reflects average glycaemia over several months, and has strong predictive value for diabetes complications.
- Point-of-care testing for A1c provides the opportunity for more timely treatment changes.

### HbA1c Test Frequency

- Perform the A1c test at least two times a year in patients who are meeting treatment goals and who have stable glycoemic control.
- Perform the A1c test quarterly in patients whose therapy has changed or who are not meeting glycoemic goals.
- The frequency of A1c testing should depend on the clinical situation, the treatment regimen, and the clinician's judgment.

### HbA1c Goals

- A reasonable A1c goal for many nonpregnant adults is 7% (53 mmol/mol); more stringent A1c goals (such as 6.5% [46 mmol/mol]) for selected individual patients if this can be achieved without significant hypoglycaemia or other adverse effects of treatment; less stringent A1c goals (such as 8% [64 mmol/mol]) may be appropriate for patients in whom the general goal is difficult to attain.
- The A1c target in pregnancy is 6-6.5% (42-48 mmol/mol); 6% (42 mmol/mol) may be optimal if this can be achieved without significant hypoglycaemia, but the target may be relaxed to 7% (53 mmol/mol) if necessary to prevent hypoglycaemia.
- A target of 6-6.5% (42-48 mmol/mol) is recommended across all pediatric age-groups; a lower goal (7.0% [53 mmol/mol]) is reasonable if it can be achieved without excessive hypoglycaemia.

Reference: Diabetes Care Volume 39, Supplement 1, January 2016

## A1C EZ-2.0 COMPONENTS

Analyzer



Code Chip



Buffer A Buffer B



Test Strip



Blood Sampler



Mini USB Data Interface, for HIS/LIS/Thermal Printer



Code Chip, automatically calibrate code



Once Test, three kind of results



Built-in Speaker, voice prompt in whole process



Big Screen, clearly display the result

## A1C EZ-2.0 Advantages

### Accurate

- NGSP and IFCC double certificates
- Boronate Affinity Chromatography Technology, no interference from HbF, HbE and other variable and unstable Hb
- Accurate results with CV<3%

### Convenient

- Room Temperature Storage of all Components
- 3 steps easy operation
- Only about 3µL of capillary or venous blood sample

### Fast

- No preheat needed before testing
- No manually calibration needed
- Get the result within 5 minutes



## Operation Guide



- Disinfect the fingertip
- Insert the code chip
- Turn on the analyzer



- Carefully insert the test strip
- Prick the fingertip
- Absorb the blood with sampler



- Vertically add 3 continuous drops of buffer A



- Press the sampler thread onto the strip



- Vertically add 2 continuous drops of buffer B



- Read the test result