

## Advantages in storage

• Room temperature storage possible

## Various interpretations of test result

 Provide in three standardized units of HbA1c (NGSP, IFCC, and eAG quantitatively)

## Small sample volume

• Only need 10 uL whole blood

#### User convenience

Minimum training required

#### Fast result time

Total 10 minute to get the result





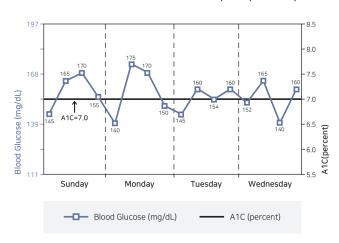
#### What is HbA1c and the HbA1c test?

- The HbA1c is a form of the glycated hemoglobin.
- The HbA1c test is a blood test that provides information about a person's average levels of plasma glucose, also called blood sugar, over the past 3 months.
- While the level of blood sugar varies widely depending on the food uptake, that of HbA1c does not change by daily intake of food.
- Since 2009, HbA1c test has been standardized and is recommended by the International Expert Committee for the testing of type 2 diabetes.



# The level of HbA1c can determine type 2 diabetes and prediabetes

• The level of HbA1c is not affected by daily food uptake.

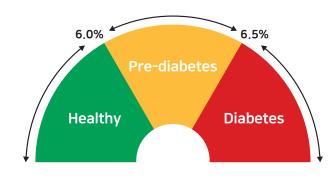


- The level of HbA1c represents an average value of glycation for the last three months, a life span of hemoglobin.
- Therefore, fasting is not needed for the HbA1c test.

#### Common side effect of diabetes.

- **Foot ulcer** These non-healing wounds form on bottom or side of a person's foot, often becoming inflamed and infected.
- **Vision impairment** Elevated blood glucose levels over time harm the eye's delicate blood vessels. (Diabetic retinopathy)
- **Kidney failure** High blood glucoses thickens and scars the nephrons, the tiny structures within the kidneys that filter your blood.
- Neuropathy Most common diabetes complications.
   Feeling of a mild tingling or numbness in your hands or feet. But eventually, this form of nerve damage can cause pain and weakness.
- Gum disease Elevated blood sugar levels modify the collagen in all of our tissues. Also, it will lead to a slight increase susceptibility to infections of all kinds.

# Diagnosis of Diabetes and Prediabetes in NGSP scale

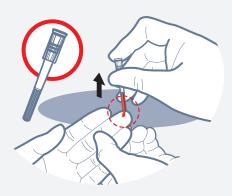


### Why AFIAS HbA1c

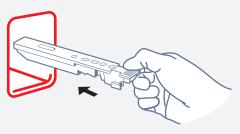
- Long shelf life and compact packaging is suitable to use at the hospital and clinics.
- Only a small, 10 uL, finger stick blood sample is needed to test HbA1c with AFIAS.
- Small and compact AFIAS can provide reliable and fast result with proven stability to anyone anywhere at anytime.
- Rapid and reliable solution within 10 minute and it detects 4.0 – 15.0 % (NGSP).

### **Quick Reference Guide**

1 Take 10 μL of sample with a C-tip.



Insert the cartridge fully into the cartridge holder.



Insert a tip into the tip hole of the cartridge.



To start the test, tap the 'START' icon on the screen.



The test result will be displayed on the screen in 10 minute.



#### Clinical Benefits of AFIAS HbA1c Neo?

- A test result delivered to patients in 10 minute while patients are still at the physician's office, compared to hours later if a sample must be sent out to traditional laboratories.
- On-demand testing will increase the facilitating better quality of service and practice. The patient's satisfaction with clinical treat will increase.
- Clinical diagnosis will allow doctors to test for HbA1c and initiate treatment or monitor diabetes status and adjust medicines and treatment during the same face-to-face visit.

# C-tip: Alternative way of collecting sample

A unique invention of Boditech's C-tip is used for small volume collection.

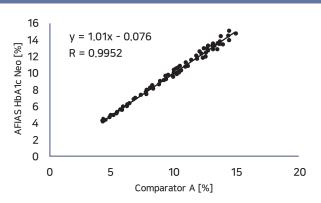
- You can directly collect the whole blood with our C-tip and simply put the C-tip into the tip hole of the cartridge. No pipetting required.
- This invention brilliantly combines sample collecting and sample processing all at once.



## Comparability

- Boditech Med ensures that the performance of our product is equivalent and comparable to other devices.
- 100 clinical samples were used for the method comparison study (R=0.9952).

# AFIAS HbA1c Neo and Comparator A's comparison study



# AFIAS HbA1c Neo can apply to

Fully automated POC system with All-in-One cartridges

**AFIAS-1** 

**AFIAS-6** 









Versatile device can help you to check other diabetes-related biomarkers at point!

# Specification

Assay time	10 min with All-in One cartridge		
Sample type	Whole blood (finger flick blood possible)		
Sample volume	10 uL		
Measuring range	4 – 15 % (NGSP)		
Storage condition	All-in-One cartridge at 2-30°C		
Control	Available		



# Ordering information

Product	Cat. No.	Size	Storage	Shelf Life
AFIAS HbA1c Neo	SMFP-109	24T/Kit	2-30 °C	20 months
Boditech HbA1c Control	CFPO-96	1 vial	2-8 °C	12 months
AFIAS -1	FPRR019	1 set	Room temperature	
AFIAS-6	FPRR020	1 set	Room temperature	
AFIAS-10	FPRR038	1 set	Room temperature	

# The smallest laboratory on your desk

- Boditech Med

