



NGSP (National Glycohemoglobin Standardization Program)  
IFCC (International Federation of Clinical Chemistry)



# Labona Check™ A1c

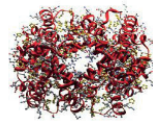
Point-Of-Care HbA1c (Glycohemoglobin)



Tiny drop of blood  
using capillary tube



Immediate results  
available within 7 sec.  
(Total Assay Time : 3 min.)



High quality boronic acid  
affinity principle



Mode : MH 200

The most  
**Rapid**  
**Cost-Effective**  
**Precise and Accurate**  
HbA1c (Glycohemoglobin) Test System



Reagent kit

1-Step Dropper  
(Optional)

# Labona Check™ A1c

## HbA1c Analyzer

### Key Features of Analyzer

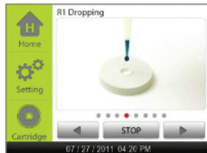
#### 3.5" Full Color Touch Screen

High resolution GUI(graphic user interface)



#### Voice Guide & Instruction

Guide to procedures for accurate testing

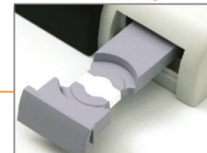


#### Built-in Thermal Printer

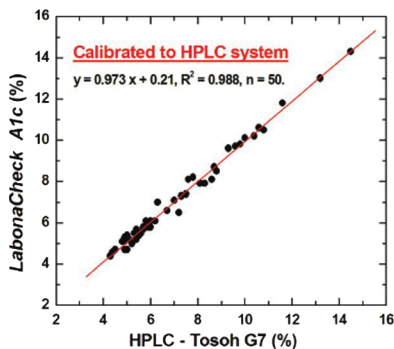
Easy management



#### Automatic Tray Loading



### Clinical Evaluation



### Specifications

Display and user Interface	Touch Screen (3.5inch)
Total Assay Time	Less Than 3 Minutes
Measurement Time	7 Seconds
Measuring Method	Optical Reflectance
Temperature Range	10~40°C/50~104°F
Memory	300 Test Results
Unit	Either % or mmol/mol
Operation Condition	Temp. : 20~25°C / Humi.: 15~75%
Printing Method	Direct Thermal Line Printing
Dimensions	178 x 195x77 (mm)
Weight	730g(Exclude Adapter)

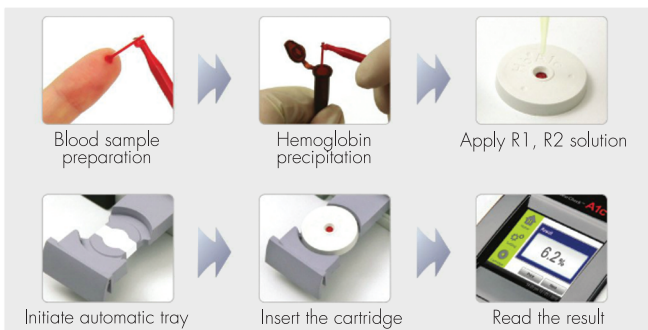
### Performance

- Methodology : Boronic Acid Affinity
- Sample Volume : Whole Blood, 5 Micro Lr.
- Measurement Range : 4~15%

### Features

- Full Color Touch screen
- Voice Guide & Instruction
- Built-in Thermal Printer

### Test Procedure



### Accessories (Optional)



### 1-Step Dropper (Optional)



Sampling



Mixing



Pushing

#### What is HbA1c?

HbA1c also known as hemoglobin A1c, glycated hemoglobin, is a minor hemoglobin component that are adducts formed from hemoglobin and various sugars (glucose). It is a reflection of the mean blood glucose levels during the last 6-12 weeks so the HbA1c test is an important blood test used to determine how well the diabetes is being controlled.

#### Is there a relation between % HbA1c and glucose?

Yes, studies have shown that the level of glycohemoglobin (HbA1c) is an index of mean blood glucose over the preceding 120 days. The mean glucose (MPG) and HbA1c has been established by linear regression analysis using data (n=1441) from the DCCT study. The relationship may be used to estimate MPG over the last 60-90 days and may be used to set up day to day target based on HbA1c goals. [DCCT= Diabetes Control and Complications Trial]

#### What is the normal HbA1c value?

The recommended target of 6.5% now corresponds to a value of 48 mmol/mol. If you have diabetes and your HbA1c is below the target of 6.5% of the total amount of hemoglobin in the blood it is likely that your diabetes is in good control. However, if your HbA1c rises above 6.5%, you are at increased risk of developing long term complications such as eye disease, kidney disease or nerve damage.