

Easy Operation in 3 Step



1. Open cover of HbA1c analyzer and insert the cassette.



2. Apply blood sample(μ l) to the HbA1c reagent pack until confirmation window is completely filled.



3. Insert reagent pack into the cassette and close the cover of HbA1c analyzer. Test result in 5 minutes.

Contents

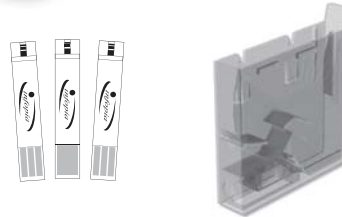
Meter : HbA1c(Hemoglobin A1c Analyzer)
Lancing Device, Lancets
Manual, Quick reference, Adapte, PC cable
Glucose meter, Thermal Printer(option)

Cassette : HbA1c Cassette
Reagent Pack, Check Cassette
Manual

Strip : Glucose Test Strip, Manual

HbA1c

Hemoglobin A1c Analyzer



Specifications

	HbA1c Cassette	Glucose Strip
Principle	Boronate affinity	Electrochemical reaction
Method	Spectrophotometry	Amperometry
Test range	4~ 14%	0~1,000mg/gl
Measuring time	5min	3sec
Operating Temp	room temperature(15-30 $^{\circ}$ C)	
Sample	Whole blood, 7 μ l	Whole blood, 0.3 μ l

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HbA1c

Hemoglobin A1c Analyzer



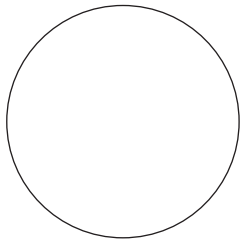
Multi function diagnostic device:
HbA1c + Blood glucose

Fast & Accurate test result in 5 minutes
with 7 μ l blood sample

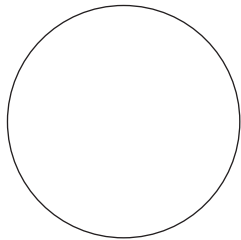
Easy Operation

Introduction

Hemoglobin A1c is formed by the non-enzymatic reaction of glucose with N-terminal amino group of the β -chain of hemoglobin



Normal HbA1c



High HbA1c

The percent of HbA1c is proportional to the level of glucose in the blood over a period of approximately 2-3 months. Thus, HbA1c in your blood tells you how well you have been controlling your glucose levels.

$$\% \text{ HbA1c} = \frac{[\text{HbA1c}]}{[\text{total Hemoglobin}]} \times 100$$

Relationship Between HbA1c and Average Blood Glucos									
% HbA1c	HbA1c Levels	Average Blood Glucose		% HbA1c	HbA1c Levels	Average Blood Glucose			
		mg/dL	mmol/L			mg/dL	mmol/L		
14.0	Seriously Elevated Levels	360	20	8.0	Slightly Elevated Levels	180	10		
13.5		7.5	150	8.3					
13.0		7.0	120	6.7					
12.5		6.5	120	6.7					
12.0		6.0	120	6.7					
11.5	Non-diabetic Levels	300	16.7	5.5	Non-diabetic Levels	90	6		
11.0		270	15	5.0		60	3.3		
10.5		270	15	4.5		60	3.3		
10.0	Elevated Levels	240	13.3	4.5	Elevated Levels	210	11.7		
9.5		210	11.7	4.5		Elevated Levels	210	11.7	
9.0		210	11.7	4.5			Elevated Levels	210	11.7
8.5		210	11.7	4.5				Elevated Levels	210

Multi function diagnostic device

1. Innovative Bio-sensor

Technology : Spectrophotometry method



2. Multi function diagnostic device : HbA1c + Blood glucose



3 Sec Glucose strip



5 min HbA1c cassette

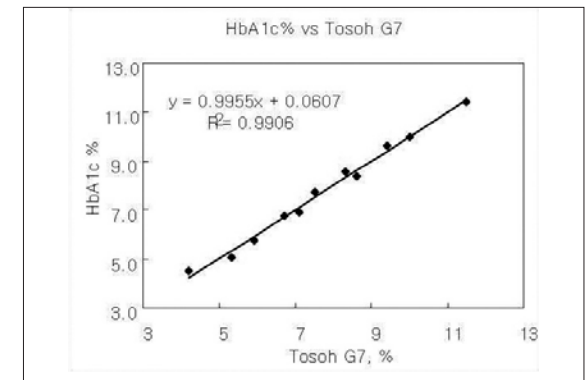


HbA1c

Hemoglobin A1c Analyzer

Fast & Accurate test result in 5 minutes with 7 μ l blood sample

3. Accuracy



4. Data output to use thermal printer

