



# VitaLab

FAST

SENSITIVE

RELIABLE

## HbA1c Test Kit (Dry Fluorescence Immunoassay)



**Reference <<<**

- [1] Advanced Glycation End Product Inhibitor Pyridoxamine Attenuates IVD Degeneration in Type 2 Diabetic Rats.
- [2] H-FABP: A beacon of hope for prediabetic heart disease.
- [3] THE VALUE OF HEART-FATTY ACID BINDING PROTEIN (H-FABP) IN THE EARLY DIAGNOSTIC OF PATIENTS WITH ACUTE MYOCARDIAL INFARCTION.
- [4] Heart-Type Fatty Acid-Binding Protein (H-FABP) and Its Role as a Biomarker in Heart Failure: What Do We Know So Far?
- [5] Evaluating possible acute coronary syndrome in primary care: the value of signs, symptoms, and plasma heart-type fatty acid-binding protein (H-FABP).
- [6] Laboratory Diagnosis of HbA1c: A Review.

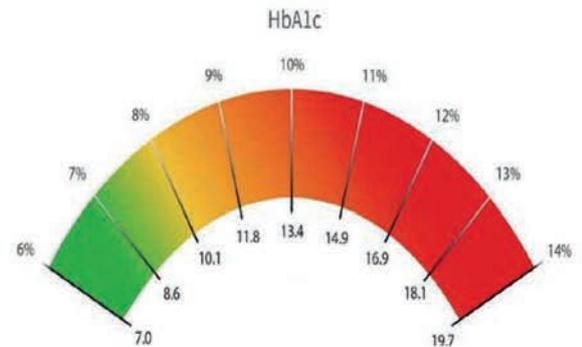


Glycosylated hemoglobin (HbA1c) is the combination of hemoglobin and glucose in red blood cells, which mainly reflects the average blood glucose level of patients in recent 2-3 months.



HbA1c is the gold standard for blood glucose control and an important tool for the diagnosis and management of diabetes.

### “ HbA1c as indicator of Diabetes control ”



**Normal Levels** (Green)

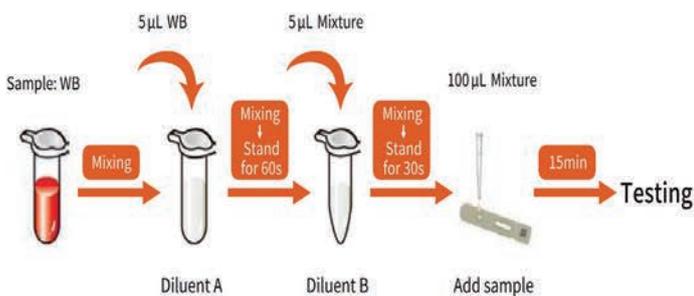
**Elevated and Poorly controlled Levels** (Orange/Red)

**Severely Elevated Levels, Risk of serious complication such as heart attack, stroke blindness, kidney failure amputation,...** (Dark Red)

### Interpretation of Result

|              |                 |            |
|--------------|-----------------|------------|
| <b>HbA1c</b> | Measuring Range | 3 % - 14 % |
|              | Cut-Off Value   | 6.5 %      |

### Steps of Operation



### Clinical Significance of HbA1c

- ▶ Long-term glucose monitoring in diabetes mellitus
- ▶ Detect and prevent chronic complications of diabetes
- ▶ For the auxiliary diagnosis of diabetes
- ▶ For the differential diagnosis of stress hyperglycemia
- ▶ HbA1c is a particularly useful indicator of diabetes control during pregnancy

