



TEST REPORT

Reg. No : 2100000000 **Reg. Date :** 21-Jun-2021 00:00 **Collected On :** 21-Jun-2021 12:28
Name : HbA1c Report Ahmedabad **Report Date :** 21-Jun-2021
Age/Sex: 68 Years / Female **Dispatch At :**
Ref. By : **Tele No:**
Location : Test for diabetes in Ahmedabad 3 months average sugar test

Parameter	Result	Unit	Biological Reference Interval
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HEMOGLOBIN A1c (GLYCOSYLATED HEMOGLOBIN)

Specimen: Blood EDTA

Hb A1c <i>HPLC, NGSP certified</i>	13.4	% of Total Hb
Mean Blood Glucose <i>Calculated</i>	337.88	mg/dL

Reference Range (As per ADA guidelines)

- < 5.7% : Normal
- 5.7 - 6.4% : Prediabetic
- >= 6.5% : Diabetic

Guidance for known Diabetics :

- Below 6.5% : Good Control
- 6.5% - 7% : Fair Control
- 7.0% - 8% : Unsatisfactory Control
- >8% : Poor Control (Action suggested)

Note :

- Total hemoglobin A1c is continuously synthesised in red blood cells through its 120 days life span. The concentration of HbA1c in the cell reflects the average blood glucose concentration it encounters.
- The level of HbA1c increases proportionately in patients with uncontrolled diabetes. It reflects the average blood glucose concentration over an extended time period and remains unaffected by short-term fluctuations in blood glucose levels.
- The measurement of HbA1c can serve as a convenient test for evaluating the adequacy of diabetic control and in preventing various diabetic complications. Because the average half life of a red blood cell is sixty days, HbA1c has been accepted as a measurement which reflects the mean daily blood glucose concentration, better than fasting blood glucose determination, and the degree of carbohydrate imbalance over the preceding two months.
- It may also provide a better index of control of the diabetic patient without resorting to glucose loading procedures.

HbA1c assay Interferences:


- Erroneous values might be obtained from samples with abnormally elevated quantities of other Haemoglobins as a result of either their simultaneous elution with HbA1c(HbF) or differences in their glycation from that of HbA(HbS).

----- End Of Report -----

Approved On : 21-Jun-2021 14:19

Generated On : 21-Jun-2021 19:56

Page 1 of 2

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