

S03 - LPL-PREET VIHAR  
 C-49, MAIN VIKAS MARG, PREET VIHAR, NEW  
 DELHI-110092  
 DELHI



Name	: Mr. MANOJ	Collected	: 6/9/2020 12:17:00PM
Lab No.	: 154101279	Received	: 6/9/2020 12:23:20PM
Age	: 45 Years	Reported	: 6/9/2020 6:01:29PM
Gender	: Male	Report Status	: Final
A/c Status	: P	Ref By	: ANSHUL VARSHNEY

Test Name	Results	Units	Bio. Ref. Interval
HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD (HPLC)			
HbA1c	10.8	%	
Estimated average glucose (eAG)	263	mg/dL	

Result Rechecked,  
 Please Correlate Clinically.

#### Interpretation

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	4.0 - 5.6
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	< 7.0

#### Note

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled
2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate
3. Presence of Hemoglobin variants and/or conditions that affect red cell turnover must be considered, particularly when the A1C result does not correlate with the patient's blood glucose levels
4. In patients with HbA1c level between 7-8%, Glycemark (1,5 Anhydroglucitol) test may be done to identify those with more frequent and extreme hyperglycemic excursions

#### Comments

HbA1C reflects average glycemia over approximately 3 months, the test is the major tool for assessing



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glycemic control and has strong predictive value for diabetes complications. Thus, HbA1C testing should be performed routinely in all patients with diabetes - at initial assessment and as part of continuing care. Measurement approximately every 3 months determines whether patients' glycemic targets have been reached and maintained. The frequency of A1C testing should depend on the clinical situation, the treatment regimen, and the clinician's judgement.			

#### ADA Recommendations for HbA1c testing

1. Perform the A1C test at least two times a year in patients who are meeting treatment goals (and who have stable glycemic control)
2. Perform the A1C test quarterly in patients whose therapy has changed or who are not meeting glycemic goals

**Factors that Interfere with HbA1c Measurement:** Hemoglobin variants, elevated fetal hemoglobin (HbF) and chemically modified derivatives of hemoglobin (e.g. carbamylated Hb in patients with renal failure) can affect the accuracy of HbA1c measurements

**Factors that affect interpretation of HbA1c Results:** Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g., recovery from acute blood loss, hemolytic anemia, HbSS, HbCC, and HbSC) will falsely lower HbA1c test results regardless of the assay method used. Iron deficiency anemia is associated with higher HbA1c



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-----End of report -----



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<b>IMPORTANT INSTRUCTIONS</b>			
*Test results released pertain to the specimen submitted.*All test results are dependent on the quality of the sample received by the Laboratory . *Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician .*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.*Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting.*Test results may show interlaboratory variations.*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).*Test results are not valid for medico legal purposes. *Contact customer care Tel No. +91-11-39885050 for all queries related to test results. (#) Sample drawn from outside source.			

