

Name :	DUMMY	Age :	30 Years
Lab No. :	439854467	Gender :	Male
Ref By :	U	Reported :	16/5/2023 1:36:25PM
Collected :	14/5/2023 11:03:00AM	Report Status :	Final
A/c Status :	P	Processed at :	LPL-NATIONAL REFERENCE LAB
Collected at :	LPL-ROHINI (NATIONAL REFERENCE LAB)		National Reference laboratory, Block E,
	National Reference laboratory, Block E,		Sector 18, ROHINI
	DELHI 110085		Sector 18, Rohini, New Delhi -110085



Test Report

Test Name	Results	Units	Bio. Ref. Interval
HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD (HPLC, NGSP certified)			
HbA1c	5.3	%	4.00 - 5.60
Estimated average glucose (eAG)	105	mg/dL	

Interpretation

HbA1c result is suggestive of non diabetic adults (≥ 18 years)/ well controlled Diabetes in a known Diabetic

Interpretation as per American Diabetes Association (ADA) Guidelines

Reference Group	Non diabetic adults ≥ 18 years	At risk (Prediabetes)	Diagnosing Diabetes	Therapeutic goals for glycemic control
HbA1c in %	4.0-5.6	5.7-6.4	≥ 6.5	< 7.0

Note: Presence of Hemoglobin variants and/or conditions that affect red cell turnover must be considered, particularly when the HbA1C result does not correlate with the patient's blood glucose levels.

FACTORS THAT INTERFERE WITH HbA1C MEASUREMENT	FACTORS THAT AFFECT INTERPRETATION OF HbA1C RESULTS
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	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

