



10132966

**Patient Name** : Mr. SHAM LAL  
**Age/Gender** : 68 Years/Male  
**Reg. No** : 0012205120003  
**Vial ID** : 10132966

**Ref.Doctor** : Dr. Manoj Gupta  
**Collected At** : WALK IN  
**Processed At** : Path Square,Jammu

**Collected on** : 12/May/2022 01:57 AM  
**Received On** : 12/May/2022 10:40AM  
**Reported on** : 12/May/2022 12:22 PM

## HbA1C

TEST DESCRIPTION	RESULT VALUE	UNIT	BIOLOGICAL REFERENCE INTERVAL
<b>HbA1C</b>			
HbA1C, GLYCATED Hb (HPLC)	6.0	%	Non-diabetic: $\leq 5.6$ , Pre-diabetic: 5.7-6.4, Diabetic: $\geq 6.5$
ESTIMATED AVERAGE GLUCOSE (Calculated)	125.50	mg/dL	Diabetic: $\geq 6.5$ 68 - 125

### Interpretation & Remark:

- HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose (eAG).
  - HbA1c has been endorsed by clinical groups & ADA (American Diabetes Association) guidelines 2017, for diagnosis of diabetes using a cut-off point of 6.5%.
  - Trends in HbA1c are a better indicator of diabetic control than a solitary test.
  - Low glycated haemoglobin (below 4%) in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency & haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.
  - To estimate the eAG from the HbA1C value, the following equation is used:  $eAG(mg/dl) = 28.7 * A1c - 46.7$
  - Interference of Haemoglobinopathies in HbA1c estimation. A. For HbF  $> 25\%$ , an alternate platform (Fructosamine) is recommended for testing of HbA1c. B. Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status. C. Heterozygous state detected (D10/ turbo is corrected for HbS and HbC trait).
  - In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control. Excellent Control - 6 to 7 %, Fair to Good Control - 7 to 8 %, Unsatisfactory Control - 8 to 10 % and Poor Control - More than 10 %
- . Note : Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy

**Dr Atinder Rai Singh**  
Consultant Pathologist  
Regd No 14386





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## BIOCHEMISTRY

TEST DESCRIPTION	RESULT VALUE	UNIT	BIOLOGICAL REFERENCE INTERVAL
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### GLUCOSE FASTING

FASTING GLUCOSE  
(HEXOKINASE)

98.0

mg/dl

Normal: 70-99, Impaired Tolerance:  
100-125, Diabetes mellitus: >=126.  
(American diabetes association  
guidelines 2020)

\*\*\* End Of Report \*\*\*



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