



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

**A PIONEER DIAGNOSTIC CENTRE**

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

**NAME** : Mr. VISHAL SHARMA  
**AGE/ GENDER** : 49 YRS/MALE **PATIENT ID** : 1749542  
**COLLECTED BY** : **REG. NO./LAB NO.** : 122502080004  
**REFERRED BY** : **REGISTRATION DATE** : 08/Feb/2025 09:01 AM  
**BARCODE NO.** : 12506892 **COLLECTION DATE** : 08/Feb/2025 12:33PM  
**CLIENT CODE.** : P.K.R JAIN HEALTHCARE INSTITUTE **REPORTING DATE** : 08/Feb/2025 04:41PM  
**CLIENT ADDRESS** : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

Test Name	Value	Unit	Biological Reference interval
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## HAEMATOLOGY

### GLYCOSYLATED HAEMOGLOBIN (HbA1C)

GLYCOSYLATED HAEMOGLOBIN (HbA1c): **7.6<sup>H</sup>** % 4.0 - 6.4  
WHOLE BLOOD  
by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)  
ESTIMATED AVERAGE PLASMA GLUCOSE **171.42<sup>H</sup>** mg/dL 60.00 - 140.00  
by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)


#### INTERPRETATION:


AS PER AMERICAN DIABETES ASSOCIATION (ADA):		
REFERENCE GROUP	GLYCOSYLATED HEMOGLOBIN (HbA1C) in %	
Non diabetic Adults >= 18 years	<5.7	
At Risk (Prediabetes)	5.7 – 6.4	
Diagnosing Diabetes	>= 6.5	
Therapeutic goals for glycemic control	Age > 19 Years	
	Goals of Therapy:	< 7.0
	Actions Suggested:	>8.0
	Age < 19 Years	
	Goal of therapy:	<7.5

#### COMMENTS:

- Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliance with therapeutic regimen in diabetic patients.
- Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled.
- 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.
- High
- HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications
- Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.
- HbA1c results from patients with HbSS, HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term glycemic control.
- Specimens from patients with polycythemia or post-splenectomy may exhibit increase in HbA1c values due to a somewhat longer life span of the red cells.



  
DR. VINAY CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

  
DR. YUGAM CHOPRA  
CONSULTANT PATHOLOGIST  
MBBS, MD (PATHOLOGY)





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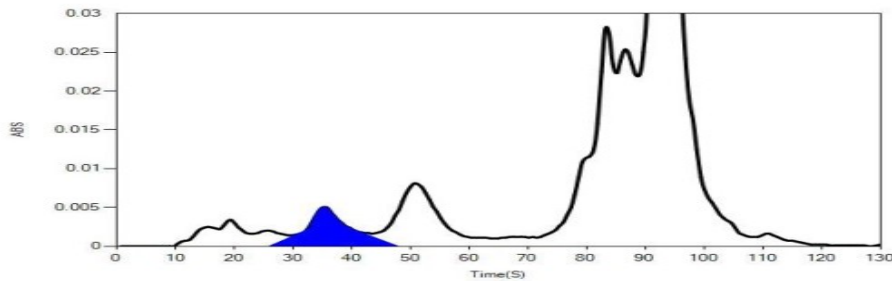
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## LIFOTRONIC Graph Report

Name :	Case :	Patient Type :	Test Date : 08/02/2025 18:48:43
Age :	Department :	Sample Type : Whole Blood EDTA	Sample Id : 12506892
Gender :			Total Area : 9688

Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
HbA0	68	2690	8331	81.0
HbA1c	37	81	777	7.6
La1c	26	51	340	3.3
HbF	18	20	27	0.3
Hba1b	14	34	120	1.2
Hba1a	11	25	93	0.9



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



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CONSULTANT PATHOLOGIST  
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*Dr. Yugam Chopra*

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MBBS, MD (PATHOLOGY)



