



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

**A PIONEER DIAGNOSTIC CENTRE**

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

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

**NAME** : Mr. OM PARKASH  
**AGE/ GENDER** : 53 YRS/MALE **PATIENT ID** : 1329300  
**COLLECTED BY** : **REG. NO./LAB NO.** : 122502180030  
**REFERRED BY** : **REGISTRATION DATE** : 18/Feb/2025 02:17 PM  
**BARCODE NO.** : 12507096 **COLLECTION DATE** : 18/Feb/2025 02:29PM  
**CLIENT CODE.** : P.K.R JAIN HEALTHCARE INSTITUTE **REPORTING DATE** : 18/Feb/2025 04:52PM  
**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): **7.8<sup>H</sup>** % 4.0 - 6.4  
WHOLE BLOOD  
by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)  
ESTIMATED AVERAGE PLASMA GLUCOSE **177.16<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
- 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.
- 6.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.
- 7.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.



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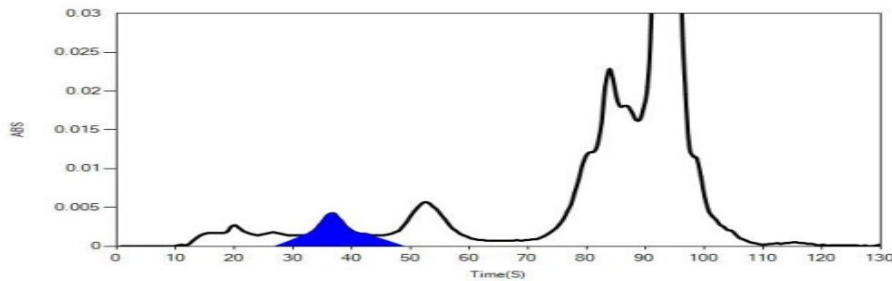
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**COLLECTION DATE** : 18/Feb/2025 02:29PM  
**REPORTING DATE** : 18/Feb/2025 04:52PM

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## LIFOTRONIC Graph Report

Name :	Case :	Patient Type :	Test Date : 18/02/2025 18:59:59
Age :	Department :	Sample Type : Whole Blood EDTA	Sample Id : 12507096
Gender :			Total Area : 6557

Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)
HbA0	69	1763	5575	78.5
HbA1c	38	57	552	7.8
La1c	27	42	267	3.8
HbF	19	18	28	0.4
Hba1b	14	27	116	1.6
Hba1a	10	13	19	0.3



  
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## CLINICAL CHEMISTRY/BIOCHEMISTRY

### GLUCOSE RANDOM (R)

GLUCOSE RANDOM (R): PLASMA  
by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD)

**310.17<sup>H</sup>** mg/dL

NORMAL: < 140.00  
PREDIABETIC: 140.0 - 200.0  
DIABETIC: > OR = 200.0


#### INTERPRETATION


##### IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

1. A random plasma glucose level below 140 mg/dl is considered normal.
2. A random glucose level between 140 - 200 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
3. A random glucose level of above 200 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.

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



  
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