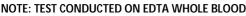




		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. SANJAY KUMAR			
AGE/ GENDER	: 50 YRS/MALE	PATIE	NT ID	: 1784731
COLLECTED BY	:	REG. N	O./LAB NO.	: 012503090054
REFERRED BY	:	REGIST	FRATION DATE	: 09/Mar/2025 12:02 PM
BARCODE NO.	:01526813	COLLE	CTION DATE	:09/Mar/2025 12:03PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 09/Mar/2025 12:31PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
tissues back to the lur A low hemoglobin leve	igs. I is referred to as ANEMIA or		the fullys to the be	dys tissues and returns carbon dioxide from
<ul> <li>Nutritional deficien</li> <li>Bone marrow problements</li> <li>Suppression by red</li> <li>Kidney failure</li> <li>Abnormal hemoglo</li> </ul>	AEMOGLOBIN): matic injury, surgery, bleedin cy (iron, vitamin B12, folate) ems (replacement of bone ma blood cell synthesis by chem bin structure (sickle cell aner EASED HAEMOGLOBIN):	rrow by cancer) otherapy drugs	ulcer)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)







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

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







	Dr. Vinay Ch MD (Pathology & Chairman & Con			(Pathology)
NAME	: Mr. SANJAY KUMAR			
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID		: 1784731
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>		: 012503090054
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BARCODE NO.	: 01526813	COLLECTION DATE		:09/Mar/2025 12:03PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	TING DATE	:09/Mar/202501:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGI	OBIN (HBA1C)	
GLYCOSYLATED HAE	MOGLOBIN (HbA1c):	COSYLATED HAEMOGI 6.8 <sup>H</sup>	OBIN (HBA1C) %	4.0 - 6.4
WHOLE BLOOD by hplc (high perform ESTIMATED AVERAG	MOGLOBIN (HbA1c):			4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	6.8 <sup>H</sup> 148.46 <sup>H</sup>	%	
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION:	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA):	%	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA): GLYCOSYLATED HEI	% mg/dL MOGLOGIB (HBAIC) i <5.7	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5.	% mg/dL MOGLOGIB (HBAIC) i <5.7 7 - 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5.	% mg/dL MOGLOGIB (HBAIC) i <5.7 7 - 6.4 = 6.5	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.8 <sup>H</sup> 148.46 <sup>H</sup> SETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. 2 Age 2	% mg/dL MOGLOGIB (HBAIC) i <5.7 7 - 6.4 = 6.5 • 19 Years	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. 5. 5. 60als of Therapy:	% mg/dL <5.7 7-6.4 == 6.5 • 19 Years < 7.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.8 <sup>H</sup> 148.46 <sup>H</sup> BETES ASSOCIATION (ADA): GLYCOSYLATED HEI 5. 5. 5. 6. 6. 5. 7. 7. 7. 8. 7. 8. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	% mg/dL MOGLOGIB (HBAIC) i <5.7 7 - 6.4 = 6.5 • 19 Years	60.00 - 140.00

## COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients.

2. 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 HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. 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, targetting a goal of < 7.0% may not be appropriate. 4. 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 gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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 care@koshealthcare.com
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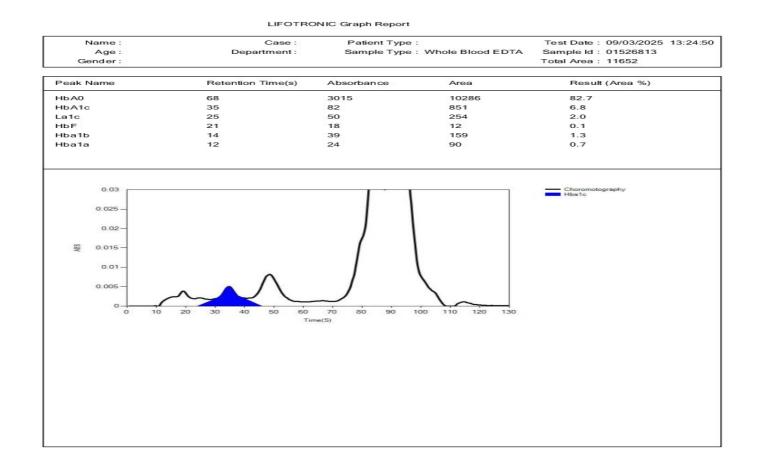


TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	. 0340/ 1, MCHOLSON ROAD, A		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 09/Mar/2025 01:36PM
BARCODE NO.	:01526813	COLLECTION DATE	:09/Mar/2025 12:03PM
<b>REFERRED BY</b>	:	<b>REGISTRATION DATI</b>	E : 09/Mar/2025 12:02 PM
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012503090054
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1784731
NAME	: Mr. SANJAY KUMAR		
	MD (Pathology & Chairman & Cons	G, /	1D (Pathology) ant Pathologist
	Dr. Vinay Cho		am Chopra





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		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. SANJAY KUMAR			
AGE/ GENDER	: 50 YRS/MALE	PA	ATIENT ID	: 1784731
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BARCODE NO.	:01526813	CC	DLLECTION DATE	: 09/Mar/2025 12:03PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 09/Mar/2025 01:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	), AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		ICAT CHEMISTI	RY/BIOCHEMIST	DV
	CLIN			<b>KI</b>
		LIPID PROF		
CHOLESTEROL TO by CHOLESTEROL OX		216.1 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM HATE OXIDASE (ENZYMATIC)	96.23	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM Ion	48.28	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		148.57 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLEST by CALCULATED, SPE		167.82 <sup>H</sup>	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER	DL: SERUM	19.25	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SER by CALCULATED, SPE	с <i>ткорнотометку</i> 2UM	528.43	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	DL RATIO: SERUM	4.48 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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	Dr. Vinay Cł MD (Pathology & Chairman & Cor				
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mr. SANJAY KUMAR</b> : 50 YRS/MALE : : : 01526813 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	R R C( R	ATIENT ID EG. NO./LAB NO. EGISTRATION DATE OLLECTION DATE EPORTING DATE	: 1784731 <b>: 012503090054</b> : 09/Mar/2025 12:02 PM : 09/Mar/2025 12:03PM : 09/Mar/2025 01:43PM	
Test Name		Value	Unit	Biological Reference interval	
LDL/HDL RATIO: S by calculated, spe TRIGLYCERIDES/H by calculated, spe	ECTROPHOTOMETRY	3.08 <sup>H</sup> 1.99 <sup>L</sup>	RATIO RATIO	MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0 3.00 - 5.00	

## **INTERPRETATION:**

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for

Total Cholesterol, Triglycerides, HDL & LDL Cholesterol. 2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL &Non HDL.

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement

End Of Report \*\*\*





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