

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		nopra & Microbiology) nsultant Pathologist	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
IAME :	Mrs. NEHA JULKA			
GE/ GENDER :	28 YRS/FEMALE	PATI	ENT ID	: 1784596
COLLECTED BY :	SURJESH	REG. 1	NO./LAB NO.	: 012503090020
EFERRED BY :		REGIS	TRATION DATE	: 09/Mar/2025 10:07 AM
BARCODE NO. :	01526779	COLL	ECTION DATE	:09/Mar/2025 10:29AM
LIENT CODE.	KOS DIAGNOSTIC LAB	REPO	RTING DATE	:09/Mar/2025 10:45AM
LIENT ADDRESS :	6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
issues back to the lungs A low hemoglobin level is ANEMIA (DECRESED HAE) Loss of blood (trauma	s referred to as ANEMIA or Ic	ow red blood count.		odys tissues and returns carbon dioxide from t
 Bone marrow problem Suppression by red block Kidney failure 	is (replacement of bone marr bod cell synthesis by chemot n structure (sickle cell anemi	therapy drugs		
POLYCYTHEMIA (INCREAS) People in higher altitu 2) Smoking (Secondary P 3) Dehydration produces	SED HAEMOGLOBIN): udes (Physiological)		concentration	
) Advanced lund disease	(ioi example, empirysema)			

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	REPORTING DATE	:09/Mar/2025 12:19PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMIST	RY/BIOCHEMIST	'RV
	CHIN		FILE : BASIC	
CHOLESTEROL TOT	AI · SERUM	129.41	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		123.41	ing/ uL	BORDERLINE HIGH: 200.0 - 239.0
				HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM		149.28	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION		38.13	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
,				60.0
	. CEDUM	01.49		HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY		61.42	mg/dL	ABOVE OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST by CALCULATED, SPE		91.28	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0
by CALCOLATED, OF L				BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC	DL: SERUM	29.86	mg/dL	0.00 - 45.00
by CALCULATED, SPECTOTAL LIPIDS: SER		408.1	mg/dL	350.00 - 700.00
by CALCULATED, SPE		400.1	iiig/ uL	330.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		3.39	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0



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Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist								
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LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY		1.61 3.92	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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