

(A Unit of KOS Healthcare)



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mr. ASHU SHARMA

AGE/ GENDER : 39 YRS/MALE PATIENT ID : 1822221

COLLECTED BY : REG. NO./LAB NO. : 012504080036

 REFERRED BY
 : 08/Apr/2025 10:00 AM

 BARCODE NO.
 : 01528589
 COLLECTION DATE
 : 08/Apr/2025 10:03AM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 08/Apr/2025 01:20PM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

CLINICAL CHEMISTRY/BIOCHEMISTRY

LIPID PROFILE: BASIC

CHOLESTEROL TOTAL: SERUM 165.89 mg/dL OPTIMAL: < 200.0

by CHOLESTEROL OXIDASE PAP BORDERLINE HIGH: 200.0 -

239.0

HIGH CHOLESTEROL: > OR =

240.0

TRIGLYCERIDES: SERUM 166.53^{H} mg/dL OPTIMAL: < 150.0

by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)

BORDERLINE HIGH: 150.0 -

199.0 HIGH: 200.0 - 499.0

VERY HIGH: > OR = 500.0

HDL CHOLESTEROL (DIRECT): SERUM 50.21 mg/dL LOW HDL: < 30.0

by SELECTIVE INHIBITION

BORDERLINE HIGH HDL: 30.0 -

60.0

DL CHOLESTEROL: SERUM 82.37 mg/dL OPTIMAL: < 100.0 by CALCULATED, SPECTROPHOTOMETRY ABOVE OPTIMAL: 100.0 - 129.0

BORDERLINE HIGH: 130.0 -

159.0

HIGH: 160.0 - 189.0

VERY HIGH: > OR = 190.0

NON HDL CHOLESTEROL: SERUM 115.68 mg/dL OPTIMAL: < 130.0

by CALCULATED, SPECTROPHOTOMETRY

ABOVE OPTIMAL: 130.0 - 159.0

BORDERLINE HIGH: 160.0 -

189.0

HIGH: 190.0 - 219.0

VERY HIGH: > OR = 220.0

VLDL CHOLESTEROL: SERUM 33.31 mg/dL 0.00 - 45.00

by CALCULATED, SPECTROPHOTOMETRY

TOTAL LIPIDS: SERUM 498.31 mg/dL 350.00 - 700.00 by CALCULATED, SPECTROPHOTOMETRY



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

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





(A Unit of KOS Healthcare)



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mr. ASHU SHARMA

AGE/ GENDER : 39 YRS/MALE **PATIENT ID** : 1822221

COLLECTED BY REG. NO./LAB NO. : 012504080036

REFERRED BY **REGISTRATION DATE** : 08/Apr/2025 10:00 AM BARCODE NO. :01528589 **COLLECTION DATE** : 08/Apr/2025 10:03AM CLIENT CODE. : KOS DIAGNOSTIC LAB REPORTING DATE : 08/Apr/2025 01:20PM

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.3	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.64	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.32	RATIO	3.00 - 5.00

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 LDL.

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



CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana



(A Unit of KOS Healthcare)



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mr. ASHU SHARMA

AGE/ GENDER : 39 YRS/MALE **PATIENT ID** : 1822221

COLLECTED BY : REG. NO./LAB NO. : 012504080036

 REFERRED BY
 : 08/Apr/2025 10:00 AM

 BARCODE NO.
 : 01528589
 COLLECTION DATE
 : 08/Apr/2025 10:03AM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 08/Apr/2025 01:20PM

CLIENT ADDRESS: 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

LIVER FUNCTION TEST (COMPLETE)

BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.69	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.52	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	78.8 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	111.8 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.7	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para nitrophenyl phosphatase by amino methyl propanol	66.24	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	39.75	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.3	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.16	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.14	gm/dL	2.30 - 3.50
A : G RATIO: SERUM	1.32	RATIO	1.00 - 2.00

INTERPRETATION

by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5



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

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



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana



(A Unit of KOS Healthcare)



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

: 08/Apr/2025 01:20PM

NAME : Mr. ASHU SHARMA

AGE/ GENDER PATIENT ID : 39 YRS/MALE : 1822221

COLLECTED BY : 012504080036 REG. NO./LAB NO.

REFERRED BY **REGISTRATION DATE** : 08/Apr/2025 10:00 AM BARCODE NO. :01528589 **COLLECTION DATE** : 08/Apr/2025 10:03AM

: KOS DIAGNOSTIC LAB **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increased)	
DECDEASED.		-	

REPORTING DATE

CLIENT CODE.

- 1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
- 2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6

*** End Of Report ***



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

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



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com