

(A Unit of KOS Healthcare)



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

NAME : Mr. AMARJEET SINGH

**AGE/ GENDER** : 35 YRS/MALE **PATIENT ID** : 1787522

COLLECTED BY : REG. NO./LAB NO. : 012503110060

REFERRED BY: LOOMBA HOSPITAL (AMBALA CANTT)REGISTRATION DATE: 11/Mar/2025 02:46 PMBARCODE NO.: 01526956COLLECTION DATE: 11/Mar/2025 02:57PMCLIENT CODE.: KOS DIAGNOSTIC LABREPORTING DATE: 11/Mar/2025 03:46PM

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

Test Name Value Unit Biological Reference interval

### HAEMATOLOGY COMPLETE BLOOD COUNT (CBC)

### RED BLOOD CELLS (RBCS) COUNT AND INDICES

HAEMOGLOBIN (HB)	13.3	gm/dL	12.0 - 17.0
by CALORIMETRIC	10.0	giii/ uL	12.0 17.0
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	4.54	Millions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	41	%	40.0 - 54.0
MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	90.4	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	29.3	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	32.5	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	14.4	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	48.8	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	19.91	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	28.68	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)			
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8040	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS) by automated 6 part hematology analyzer	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) %	NIL	%	< 10 %



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

DR.YUGAM CHOPRA
CONSULTANT PATHOLOGIST
MBBS MD (PATHOLOGY)



by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER



CLIENT CODE.

## **KOS Diagnostic Lab**

(A Unit of KOS Healthcare)



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

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

: 11/Mar/2025 03:46PM

REPORTING DATE

**NAME** : Mr. AMARJEET SINGH

**AGE/ GENDER PATIENT ID** : 35 YRS/MALE : 1787522

**COLLECTED BY** REG. NO./LAB NO. :012503110060

REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM BARCODE NO. :01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

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

Test Name	Value	Unit	Biological Reference interval		
DIFFERENTIAL LEUCOCYTE COUNT (DLC)					
NEUTROPHILS	66	%	50 - 70		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY					
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	29	%	20 - 40		
EOSINOPHILS	1	%	1 - 6		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY					
MONOCYTES	4	%	2 - 12		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS	0	%	0 - 1		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	U	70	0 - 1		
ABSOLUTE LEUKOCYTES (WBC) COUNT					
ABSOLUTE NEUTROPHIL COUNT	5306	/cmm	2000 - 7500		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY					
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2332	/cmm	800 - 4900		
ABSOLUTE EOSINOPHIL COUNT	80	/cmm	40 - 440		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		, сппп	10 110		
ABSOLUTE MONOCYTE COUNT	322	/cmm	80 - 880		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY					
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110		
ABSOLUTE IMMATURE GRANULOCYTE COUNT	0	/cmm	0.0 - 999.0		
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	U	/ CIIIII	0.0 - 999.0		
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.				
PLATELET COUNT (PLT)	269000	/cmm	150000 - 450000		
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE					
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.32	%	0.10 - 0.36		
MEAN PLATELET VOLUME (MPV)	12	fL	6.50 - 12.0		
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	1 ~	IL.	0.50 12.0		
PLATELET LARGE CELL COUNT (P-LCC)	101000 <sup>H</sup>	/cmm	30000 - 90000		
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	077	0.4	44.0.47.0		
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING. ELECTRICAL IMPEDENCE	37.7	%	11.0 - 45.0		
PLATELET DISTRIBUTION WIDTH (PDW)	15.9	%	15.0 - 17.0		
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	10.0	70	10.0 - 17.0		



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



CLIENT CODE.

## **KOS Diagnostic Lab**

(A Unit of KOS Healthcare)



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

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

: 11/Mar/2025 03:46PM

**NAME** : Mr. AMARJEET SINGH

**AGE/ GENDER PATIENT ID** : 35 YRS/MALE : 1787522

**COLLECTED BY** : 012503110060 REG. NO./LAB NO.

REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM BARCODE NO. :01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

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

**Test Name Value** Unit **Biological Reference interval** 

REPORTING DATE

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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



(A Unit of KOS Healthcare)



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

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

NAME : Mr. AMARJEET SINGH

**AGE/ GENDER** : 35 YRS/MALE **PATIENT ID** : 1787522

COLLECTED BY : REG. NO./LAB NO. : 012503110060

**REFERRED BY** : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM **BARCODE NO.** : 01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

**CLIENT CODE.** : KOS DIAGNOSTIC LAB **REPORTING DATE** : 11/Mar/2025 03:23PM

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

Test Name Value Unit Biological Reference interval

### **BLOOD GROUP (ABO) AND RH FACTOR TYPING**

ABO GROUP by SLIDE AGGLUTINATION RH FACTOR TYPE by SLIDE AGGLUTINATION В

POSITIVE



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. AMARJEET SINGH

**AGE/ GENDER** : 35 YRS/MALE **PATIENT ID** : 1787522

**COLLECTED BY** REG. NO./LAB NO. :012503110060

REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM BARCODE NO. :01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

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

**Value** Unit **Biological Reference interval Test Name** 

### IMMUNOPATHOLOGY/SEROLOGY **HEPATITIS C VIRUS (HCV) ANTIBODY: TOTAL**

HEPATITIS C ANTIBODY (HCV) TOTAL: SERUM

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

S/CO

REPORTING DATE

NEGATIVE: < 1.00 POSITIVE: > 1.00

: 11/Mar/2025 04:39PM

HEPATITIS C ANTIBODY (HCV) TOTAL

**NON - REACTIVE** 

CLIENT CODE.

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

INTERPRETATION:

INTERIOR I				
RESULT (INDEX)	REMARKS			
< 1.00	NON - REACTIVE/NOT - DETECTED			
>=1.00	REACTIVE/ASYMPTOMATIC/INFECTIVE STATE/CARRIER STATE.			

Hepatitis C (HCV) is an RNA virus of Favivirus group transmitted via blood transfusions, transplantation, injection drug abusers, accidental needle punctures in healthcare workers, dialysis patients and rarely from mother to infant. 10 % of new cases show sexual transmission. As compared to HAV & HBV, chronic infection with HCV occurs in 85 % of infected individuals. In high risk population, the predictive value of Anti HCV for HCV infection is > 99% whereas in low risk populations it is only 25 %.

- 1. Indicator of past or present infection, but does not differentiate between Acute/ Chronic/Resolved Infection.
- 2. Routine screening of low and high prevelance population including blood donors.

#### NOTF:

- 1. False positive results are seen in Auto-immune disease, Rheumatoid Factor, HYpergammaglobulinemia, Paraproteinemia, Passive antibody transfer, Anti-idiotypes and Anti-superoxide dismutase.
- 2. False negative results are seen in early Acute infection, Immunosuppression and Immuno—incompetence. 3. HCV-RNA PCR recommended in all reactive results to differentiate between past and present infection.



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

S/CO

: 11/Mar/2025 04:39PM

NEGATIVE: < 1.00

POSITIVE: > 1.00

**NAME** : Mr. AMARJEET SINGH

**AGE/ GENDER** : 35 YRS/MALE **PATIENT ID** :1787522

**COLLECTED BY** REG. NO./LAB NO. :012503110060

REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM BARCODE NO. :01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

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

**Test Name Value** Unit **Biological Reference interval** 

REPORTING DATE

### ANTI HUMAN IMMUNODEFICIENCY VIRUS (HIV) DUO ULTRA WITH (P-24 ANTIGEN DETECTION)

HIV 1/2 AND P24 ANTIGEN: SERUM

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

HIV 1/2 AND P24 ANTIGEN RESULT **NON - REACTIVE** 

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

INTERPRETATION:-

CLIENT CODE.

INVERTIRE INTO IN.				
RESULT (INDEX)	REMARKS			
< 1.00	NON - REACTIVE			
> = 1.00	PROVISIONALI Y REACTIVE			

Non-Reactive result implies that antibodies to HIV 1/2 have not been detected in the sample. This menas that patient has either not been exposed to HIV 1/2 infection or the sample has been tested during the "window phase" i.e. before the development of detectable levels of antibodies. Hence a Non Reactive result does not exclude the possibility of exposure or infection with HIV 1/2. RECOMMENDATIONS:

1. Results to be clinically correlated

2. Rarely falsenegativity/positivity may occur.



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





(A Unit of KOS Healthcare)



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

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

**NAME** : Mr. AMARJEET SINGH

**AGE/ GENDER** : 35 YRS/MALE **PATIENT ID** :1787522

**COLLECTED BY** REG. NO./LAB NO. :012503110060

REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** : 11/Mar/2025 02:46 PM BARCODE NO. :01526956 **COLLECTION DATE** : 11/Mar/2025 02:57PM

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

**Value** Unit **Biological Reference interval Test Name** 

### HEPATITIS B SURFACE ANTIGEN (HBsAg) ULTRA

HEPATITIS B SURFACE ANTIGEN (HBsAg):

0.28

REPORTING DATE

NEGATIVE: < 1.0 POSITIVE: > 1.0

: 11/Mar/2025 04:39PM

CLIENT CODE.

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

NON REACTIVE

HEPATITIS B SURFACE ANTIGEN (HBsAg) RESULT

by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

#### INTERPRETATION:

RESULT IN INDEX VALUE	REMARKS
< 1.30	NEGATIVE (-ve)
>=1.30	POSITIVE (+ve)

Hepatitis B Virus (HBV) is a member of the Hepadna virus family causing infection of the liver with extremely variable clinical features. Hepatitis B is transmitted primarily by body fluids especially serum and also spread effectively sexually and from mother to baby. In most individuals HBV hepatitis is self limiting, but 1-2 % normal adolescent and adults develop Chronic Hepatitis. Frequency of chronic HBV infection is 5-10% in immunocompromised patients and 80 % neonates. The initial serological marker of acute infection is HBsAg which typically appears 2-3 months after infection and disappears 12-20 weeks after onset of symtoms. Persistence of HBsAg for more than 6 months indicates carrier state or Chronic Liver disease.



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

0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



(A Unit of KOS Healthcare)



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

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

NAME : Mr. AMARJEET SINGH

AGE/ GENDER : 35 YRS/MALE PATIENT ID : 1787522

COLLECTED BY : REG. NO./LAB NO. : 012503110060

REFERRED BY: LOOMBA HOSPITAL (AMBALA CANTT)REGISTRATION DATE: 11/Mar/2025 02:46 PMBARCODE NO.: 01526956COLLECTION DATE: 11/Mar/2025 02:57 PM

**CLIENT CODE.** : KOS DIAGNOSTIC LAB **REPORTING DATE** : 11/Mar/2025 03:41PM

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

Test Name Value Unit Biological Reference interval

**VDRL** 

VDRL NON REACTIVE NON REACTIVE

by IMMUNOCHROMATOGRAPHY

#### **INTERPRETATION:**

1. Does not become positive until 7 - 10 days after appearance of chancre.

2. High titer (>1:16) - active disease.

3.Low titer (<1:8) - biological falsepositive test in 90% cases or due to late or late latent syphillis.

4. Treatment of primary syphillis causes progressive decline tonegative VDRL within 2 years.

5. Rising titer (4X) indicates relapse, reinfection, or treatment failure and need for retreatment.

6. May benonreactive in early primary, late latent, and late syphillis (approx. 25% ofcases).

7. Reactive and weakly reactive tests should always be confirmed with FTA-ABS (fluorescent treponemal antibody absorption test).

#### SHORTTERM FALSE POSITIVE TEST RESULTS (<6 MONTHS DURATION) MAY OCCURIN:

1. Acute viral illnesses (e.g., hepatitis, measles, infectious mononucleosis)

2.M. pneumoniae; Chlamydia; Malaria infection.

3. Some immunizations

4.Pregnancy (rare)

### LONGTERM FALSE POSITIVE TEST RESULTS (>6 MONTHS DURATION) MAY OCCUR IN:

- 1. Serious underlying disease e.g., collagen vascular diseases, leprosy, malignancy.
- 2.Intravenous drug users.
- 3. Rheumatoid arthritis, thyroiditis, AIDS, Sjogren's syndrome.
- 4.< 10 % of patients older thanage 70 years.
- 5. Patients taking some anti-hypertensive drugs.

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



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

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

