

Dr. Vinay Chopra  
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Chairman & Consultant Pathologist

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

NAME : Mr. SMILE  
AGE/ GENDER : 28 YRS/MALE  
COLLECTED BY : SHYAM  
REFERRED BY : LOOMBA HOSPITAL (AMBALA CANTT)  
BARCODE NO. : 01521862  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT  
PATIENT ID : 1688190  
REG. NO./LAB NO. : 012412020045  
REGISTRATION DATE : 02/Dec/2024 01:28 PM  
COLLECTION DATE : 02/Dec/2024 01:35PM  
REPORTING DATE : 02/Dec/2024 01:43PM

Test Name	Value	Unit	Biological Reference interval
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## HAEMATOLOGY

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

ABO GROUP  
by SLIDE AGGLUTINATION  
RH FACTOR TYPE  
by SLIDE AGGLUTINATION

AB  
POSITIVE



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<b>BARCODE NO.</b>	: 01521862	<b>REPORTING DATE</b>	: 02/Dec/2024 03:22PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
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### IMMUNOPATHOLOGY/SEROLOGY

#### HEPATITIS C VIRUS (HCV) ANTIBODY: TOTAL

HEPATITIS C ANTIBODY (HCV) TOTAL: SERUM 0.17 S/CO NEGATIVE: < 1.00  
 by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY) POSITIVE: > 1.00  
 HEPATITIS C ANTIBODY (HCV) TOTAL NON - REACTIVE  
 RESULT  
 by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

#### INTERPRETATION:-

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 %.

#### USES:

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

#### NOTE:

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





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

HIV 1/2 AND P24 ANTIGEN: SERUM 0.14 S/CO  
 by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

HIV 1/2 AND P24 ANTIGEN RESULT NON - REACTIVE  
 by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)

#### INTERPRETATION:-

RESULT (INDEX)	REMARKS
< 1.00	NON - REACTIVE
> = 1.00	PROVISIONALLY REACTIVE

Non-Reactive result implies that antibodies to HIV 1/ 2 have not been detected in the sample . This means 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.





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HEPATITIS B SURFACE ANTIGEN (HBsAg) ULTRA

HEPATITIS B SURFACE ANTIGEN (HBsAg): 0.27 S/CO  
SERUM  
by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)  
NEGATIVE: < 1.0  
POSITIVE: > 1.0

HEPATITIS B SURFACE ANTIGEN (HBsAg) NON REACTIVE  
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 symptoms. Persistence of HBsAg for more than 6 months indicates carrier state or Chronic Liver disease.



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<b>BARCODE NO.</b>	: 01521862	<b>REPORTING DATE</b>	: 02/Dec/2024 01:54PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
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### VDRL

VDRL	NON REACTIVE	NON REACTIVE
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by IMMUNOCHROMATOGRAPHY

#### INTERPRETATION:

- Does not become positive until 7 - 10 days after appearance of chancre.
- High titer (>1:16) - active disease.**
- Low titer (<1:8) - biological falsepositive test in 90% cases or due to late or late latent syphilis.**
- Treatment of primary syphilis causes progressive decline tonegative VDRL within 2 years.
- Rising titer (4X) indicates relapse, reinfection, or treatment failure and need for retreatment.
- May benonreactive in early primary, late latent, and late syphilis (approx. 25% ofcases).
- Reactive and weakly reactive tests should always be confirmedwith FTA-ABS (fluorescent treponemal antibody absorptiontest).**

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

- Acute viral illnesses (e.g., hepatitis, measles, infectious mononucleosis)
- M. pneumoniae; Chlamydia; Malaria infection.
- Some immunizations
- Pregnancy (rare)


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

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

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



  
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