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

: 22/Feb/2025 12:20PM

**NAME** : Master. SUKHPREET SINGH

**AGE/ GENDER** : 7 YRS/MALE **PATIENT ID** :1766127

**COLLECTED BY** REG. NO./LAB NO. : 012502220039

REFERRED BY : Dr. ARUN WALIA (AMBALA CANTT) **REGISTRATION DATE** : 22/Feb/2025 12:02 PM BARCODE NO. :01525959 **COLLECTION DATE** : 22/Feb/2025 12:09PM

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

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

REPORTING DATE

### **HAEMATOLOGY** TOTAL LEUCOCYTE COUNT (TLC)

TOTAL LEUCOCYTE COUNT (TLC) 5080 5000 - 15000 /cmm

by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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



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Test Name	Value	Unit	Biological Reference	interval			
DIFFERENTIAL LEUCOCYTE COUNT (DLC)							
	DIFFERENTIAL LECCOCI	TE COUNT (DLC)					
NEUTROPHILS	63	%	50 - 70				
by ELOW CYTOMETRY BY SECURE & MICROSO	COPY						

REPORTING DATE

NEUTROPHILS	63	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	25	%	20 - 45
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	$\mathbf{0_{I}}$	%	1 - 6
MONOCYTES  by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	12	%	3 - 12
BASOPHILS by flow cytometry by Sf cube & microscopy	0	%	0 - 1
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST





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MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

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

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COLLECTED BY : REG. NO./LAB NO. : 012502220039

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 : Dr. ARUN WALIA (AMBALA CANTT)
 REGISTRATION DATE
 : 22/Feb/2025 12:02 PM

 BARCODE NO.
 : 01525959
 COLLECTION DATE
 : 22/Feb/2025 12:09 PM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 22/Feb/2025 12:40 PM

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

Test Name Value Unit Biological Reference interval

### IMMUNOPATHOLOGY/SEROLOGY

TYPHOID COMBO SCREEN (TYPHOID ANTIGEN, IgG AND IgM): SERUM

NEGATIVE (-ve)

NEGATIVE (-ve)

TYPHOID ANTIGEN - SERUM by ICT (IMMUNOCHROMATOGRAPHY)

TYPHI DOT ANTIBODY IgG NEGATIVE (-ve) NEGATIVE (-ve)

by ICT (IMMUNOCHROMATOĞRAPHY)

TYPHI DOT ANTIBODY IgM NEGATIVE (-ve) NEGATIVE (-ve)

by ICT (IMMUNOCHROMATOGRAPHY)

#### INTE*RPRETATION:*

Typhoid fever is a life threatening illness caused by the bacterium Salmonella typhus. The infection is acquired typically by ingestion. On reaching the gut, the bacilli attach themselves to the epithelial cells of the intestinal villi and penetrate the lamina and submucosa. They are then phagocytosed there by polymorphs and mesenteric lymph nodes, where they multiply and, via the thoracic duct, enter the blood stream. A transient bacteremia follows, during which the bacilli are seeded in the liver, gall bladder, spleen, bone marrow, lymph nodes, and kidneys, where further multiplication takes place. Towards the end of the incubation period, there occurs a massive bacteremia from these sites, heralding the onset of the clinical symptoms.

The diagnosis of typhoid consists of isolation of the bacilli and the demonstration of antibodies. The isolation of the bacilli is very time consuming and antibody detection is not very specific. Other tests include the Widal reaction. The advantage of this test is that it takes only 10-20 minutes and requires only a small amount of stool/serum/plasma to perform. It is the easiest and most specific method for detecting S. typhi infection.

RELATIVE SENSTIVITY OF TYPHOID ANTIGEN DETECTION: 98.7% RELATIVE SPECIFICITY OF TYPHOID ANTIGEN DETECTION: 97.4%

#### **DETECTABLE IGM RESPONSE:**

ONSET OF FEVER	PERCENT POSITIVE		
4 - 6 DAYS	43.5		
6 - 9 DAYS	92.9		
> 9 DAVS	00 5		

1.This is a solid phase, immunochromatographic ELISA assay that detects specific IgM and IgG Antibodies against the OUTER MEMBRAN PROTEIN(OMP) of the Salmonella species. IgM antibodies appear in the serum 2-3 days post infection and are indicative of a recent infection while the IgG antibodies appear later and are useful for presumptive diagnosis of Enteric fever if the patient presents more than a week after onset of symptoms.

2. This is a useful screening assay for the early detection of Enteric fever and has a high sensitivity. However the test has moderate specificity and false positive results may be obtained in the following situations:

Antibodies against Salmonella may cross react with other antibodies.

Unrelated infections may lead to production of specific Salmonella antibodies if the patient has previously been exposed to



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



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

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

: 22/Feb/2025 12:40PM

**NAME** : Master. SUKHPREET SINGH

**AGE/ GENDER** : 7 YRS/MALE **PATIENT ID** :1766127

**COLLECTED BY** REG. NO./LAB NO. : 012502220039

REFERRED BY : Dr. ARUN WALIA (AMBALA CANTT) **REGISTRATION DATE** : 22/Feb/2025 12:02 PM BARCODE NO. :01525959 **COLLECTION DATE** : 22/Feb/2025 12:09PM

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

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

REPORTING DATE

Salmonella infection (ANAMNESTIC RESPONSE)

NOTE:-Rapid blood culture performed during ft week of infection is highly recommended for confirmation of all IgM positive results. In case the patient has presented after the first week of infection, a thorough clinical correlation and confirmatory Widal test must be performed to establish the diagnosis.



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**NAME** : Master. SUKHPREET SINGH

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**COLLECTED BY** REG. NO./LAB NO. :012502220039

REFERRED BY : Dr. ARUN WALIA (AMBALA CANTT) **REGISTRATION DATE** : 22/Feb/2025 12:02 PM BARCODE NO. :01525959 **COLLECTION DATE** : 22/Feb/2025 12:09PM CLIENT CODE. : KOS DIAGNOSTIC LAB REPORTING DATE : 22/Feb/2025 12:52PM

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

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

#### **C-REACTIVE PROTEIN (CRP)**

C-REACTIVE PROTEIN (CRP) QUANTITATIVE: 2.65 0.0 - 6.0mg/L

by NEPHLOMETRY

#### **INTERPRETATION:**

1. C-reactive protein (CRP) is one of the most sensitive acute-phase reactants for inflammation.

2. CRP levels can increase dramatically (100-fold or more) after severe trauma, bacterial infection, inflammation, surgery, or neoplastic proliferation.

3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant

rejection, and to monitor these inflammatory processes.

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process.

NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.

2. Oral contraceptives may increase CRP levels.

\*\*\* End Of Report



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