



Dr. Vinay Chopr MD (Pathology & Mici Chairman & Consultar		robiology) MD (Pathology)			
	AMLESH CHAUHAN RS/FEMALE FSH		PATIENT ID REG. NO./LAB NO.	: 1759533 : 012502170034	
REFERRED BY : BARCODE NO. : 0152			REGISTRATION DATE	: 17/Feb/2025 11:58 AM : 17/Feb/2025 12:15PM	
	DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBA		REPORTING DATE	: 17/Feb/2025 01:01PM	
Test Name		Value	Unit	Biological Refere	ence interval
		HAEMA	TOLOGY		
	СОМР	LETE BLO	OOD COUNT (CBC)		
RED BLOOD CELLS (RBC	5) COUNT AND INDICES				
IAEMOGLOBIN (HB) by CALORIMETRIC		11.2 ^L	gm/dL	12.0 - 16.0	
RED BLOOD CELL (RBC) C		4.06	Millions	/cmm 3.50 - 5.00	
PACKED CELL VOLUME (P	CV)	35.2 ^L	%	37.0 - 50.0	
by CALCULATED BY AUTOMAT MEAN CORPUSCULAR VOI by CALCULATED BY AUTOMAT	UME (MCV)	86.7	fL	80.0 - 100.0	
MEAN CORPUSCULAR HA		27.7	pg	27.0 - 34.0	
	MOGLOBIN CONC. (MCHC)	31.9 ^L	g/dL	32.0 - 36.0	
RED CELL DISTRIBUTION		15.9	%	11.00 - 16.00	
RED CELL DISTRIBUTION	WIDTH (RDW-SD)	51.5	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		21.35	RATIO	BETA THALASSI 13.0 IRON DEFICIEN >13.0	
GREEN & KING INDEX by calculated		34.09	RATIO	BETA THALASSI 65.0 IRON DEFICIEN 65.0	
WHITE BLOOD CELLS (W	<u>BCS)</u>				
TOTAL LEUCOCYTE COUN by FLOW CYTOMETRY BY SF (3220 ^L	/cmm	4000 - 11000	
NUCLEATED RED BLOOD by AUTOMATED 6 PART HEMA	CELLS (nRBCS)	NIL		0.00 - 20.00	
NUCLEATED RED BLOOD		NIL	%	< 10 %	





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
 www.koshealthcare.com







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mrs. AMLESH CHAUHAN		
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT ID	: 1759533
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502170034
REFERRED BY	:	REGISTRATION DATE	: 17/Feb/2025 11:58 AM
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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	57	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	34	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1835 ^L	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1095	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	32 ^L	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	258	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	135000 ^L	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.18	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	67000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	49.4 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.4	%	15.0 - 17.0

RECHECKED



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

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







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NAME	: Mrs. AMLESH CHAUHAN		
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT ID	: 1759533
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	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT Value Unit	Biological Reference interval
Test Name	IMM TYPHOID COMBO SC	Value Unit MUNOPATHOLOGY/SEROLO CREEN (TYPHOID ANTIGEN, Ig)GY G AND IgM): SERUM
Test Name	IMM TYPHOID COMBO SC N - SERUM	Value Unit MUNOPATHOLOGY/SEROLO	DGY
CLIENT ADDRESS Test Name TYPHOID ANTIGEN by ICT (IMMUNOCHRO TYPHI DOT ANTIB by ICT (IMMUNOCHRO	IMM TYPHOID COMBO SC N - SERUM DMATOGRAPHY) ODY IgG	Value Unit MUNOPATHOLOGY/SEROLO CREEN (TYPHOID ANTIGEN, Ig)GY G AND IgM): SERUM

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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 DAYS	99.5

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

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	Dr. Vinay Chopra	a I Dr. Yugar	n Chopra

Salmonella infection (ANAMNESTIC RESPONSE).

NOTE:-Rapid blood culture performed during f^t 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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Test Name		Value	Unit	Biological Reference interval
	C	C-REACTIVE I	PROTEIN (CRP)	
C-REACTIVE PROTI SERUM	EIN (CRP) QUANTITATIVE:	4.06	mg/L	0.0 - 6.0

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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

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.

Oral contraceptives may increase CRP levels.





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Test Name		Value Unit	t Biological Reference interval
PLASMODIUM VIV by ICT (IMMUNOCHRC		NEGATIVE (-ve)	NEGATIVE (-ve)



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MBBS, MD (PATHOLOGY & MICROBIOLOGY)



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name	Value	Unit	Biological Reference interval
	CLINICAL PATHO	LOGY	
URINE	ROUTINE & MICROSCOI		ATION
PHYSICAL EXAMINATION			
QUANTITY RECIEVED	10	ml	
COLOUR	PALE YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY	HAZY		CLEAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY	1.02		1.002 - 1.030
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	1.0%		1.002 1.000
<u>CHEMICAL EXAMINATION</u> REACTION	ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pH	<=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.			
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	1+		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID	NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY MICROSCOPIC EXAMINATION			
RED BLOOD CELLS (RBCs) by microscopy on centrifuged urinary sedimen	4-6	/HPF	0 - 3

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

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Test Name		Value	Unit	Biological Reference interval	
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	0 - 5	
EPITHELIAL CELL by MICROSCOPY ON	S CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
BACTERIA		NEGATIVE (-ve)		NEGATIVE (-ve)	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

ABSENT



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NEGATIVE (-ve)

ABSENT