



	Dr. Vinay Chopr MD (Pathology & Mice Chairman & Consulta	robiology)		Pathology)
AGE/ GENDER : COLLECTED BY : REFERRED BY : BARCODE NO. : CLIENT CODE. :	Mrs. LIZA BALI 48 YRS/FEMALE SURJESH 01515996 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1596947 : 012408300056 : 30/Aug/2024 07:26 PM : 30/Aug/2024 07:33PM : 30/Aug/2024 07:54PM
Test Name		Value	Unit	Biological Reference interval
		HAEM	ATOLOGY	
	CON		DOD COUNT (CBC)	
RED BLOOD CELLS (RBC	S) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC) by HYDRO DYNAMIC FOC	COUNT USING, ELECTRICAL IMPEDENCE	4.34	Millions/cr	nm 3.50 - 5.00
PACKED CELL VOLUME		37.1	%	37.0 - 50.0
MEAN CORPUSCULAR V	OLUME (MCV)	85.5	fL	80.0 - 100.0
MEAN CORPUSCULAR H	omated hematology analyzer IAEMOGLOBIN (MCH) omated hematology analyzer	27.6	pg	27.0 - 34.0
MEAN CORPUSCULAR H	HEMOGLOBIN CONC. (MCHC) OMATED HEMATOLOGY ANALYZER	32.3	g/dL	32.0 - 36.0
RED CELL DISTRIBUTIO	N WIDTH (RDW-CV)	14.5	%	11.00 - 16.00
RED CELL DISTRIBUTIO	omated hematology analyzer N WIDTH (RDW-SD) omated hematology analyzer	46.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		19.7	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED		28.51	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (<u>NBCS)</u>			
	INT (TLC) y sf cube & microscopy	8980	/cmm	4000 - 11000
NUCLEATED RED BLOO	D CELLS (nRBCS)	NIL		0.00 - 20.00
NUCLEATED RED BLOO	OMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
NEUTROPHILS	Y SF CUBE & MICROSCOPY	61	%	50 - 70

77 $\odot 6$

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Dr. Vinay Chopra

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

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Test Name	Value	Unit	Biological Reference interval
LYMPHOCYTES	30	%	20 - 40
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS	4	%	1 - 6
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	70	1 - 8
MONOCYTES	5	%	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	5478	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2694	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT	359	/cmm	40 - 440
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
ABSOLUTE MONOCYTE COUNT	449	/cmm	80 - 880
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT	0	/cmm	0 - 110
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	Ū	/ diliili	0 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT)	227000	/cmm	150000 - 450000
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDE PLATELETCRIT (PCT)	ENCE 0.28	%	0.10 0.24
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPED		%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV)	12	fL	6.50 - 12.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDE		1	20000 00000
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEL	93000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR)	40.8	%	11.0 - 45.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDE		0/	15 0 17 0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDE	16.1 ENCE	%	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE BI			



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMEI	NTATION RATE (ESR)
by MODIFIED WESTER INTERPRETATION:	MENTATION RATE (ESR)	24 ^H	mm/1st h	
 ESR is a non-specifi 	does not tell the health practitio	oner exactly where the	e inflammation is in the	on associated with infection, cancer and auto- body or what is causing it. ically used in conjunction with other test such

CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:



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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it









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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interv
		ER FUNCTIO	STRY/BIOCHEMISTR ON TEST (COMPLETE)	
BILIRUBIN TOTAL: SI	ERUM PECTROPHOTOMETRY	0.38	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (C	CONJUGATED): SERUM	0.11	mg/dL	0.00 - 0.40
	(UNCONJUGATED): SERUM	0.27	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	12.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	9.3	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE		1.32	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM YL PHOSPHATASE BY AMINO METHYL	62.7	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTROF	. TRANSFERASE (GGT): SERUM PHTOMETRY	16.67	U/L	0.00 - 55.0
TOTAL PROTEINS: SE by BIURET, SPECTRO		6.29	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol g	REEN	3.62	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE		2.67	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPE		1.36	RATIO	1.00 - 2.00

INTERPRETATION

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





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Test Name		Value	Unit	Biological Reference interval
INTRAHEPATIC CHOI	ESTATIS		> 1.5	
HEPATOCELLULAR C.	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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

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TM

I	SO 9001 : 2008 CERTI	FIED LAB	1	EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS	
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	Test Name	Va	lue	Unit	Biological Reference interval	
	urea: serum		UREA .97		10.00 - 50.00	
	EINSE AVE					
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ISO 9001 : 2008 CERTIFIED LAB		EXCELLENCE IN HEA	LTHCARE & DIAGNOSTICS	
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	FEMALE	PATIENT ID REG. NO./LAB NO. REGISTRATION DA COLLECTION DATE REPORTING DATE	0	
Test Name	Value	e Unit	Biological Reference interval	
L		CREATININE]
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOM	ETRY		dL 0.40 - 1.20	
MBBS, MD	ANT PATHOLOGIST	DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)		

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Test Name		Value	Unit	Biological Reference interva	
	IIV	IMUNOPATHOLC	GY/SEROLOGY		
		C-REACTIVE PRO	DTEIN (CRP)		
C-REACTIVE PROTEIN (CRP) QUANTITATIVE: SERUM		3.58	mg/L	0.0 - 6.0	

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.





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		Chopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		WIDAL SLIDE AGGLU	TINATION TEST	
SALMONELLA TYPHI		1 : 80	TITRE	1 : 80
SALMONELLA TYPHI		1 : 40	TITRE	1 : 160
SALMONELLA PARA		NIL	TITRE	1 : 160
SALMONELLA PARA by slide agglutina		NIL	TITRE	1 : 160

INTERPRETATION:

1. Titres of 1:80 or more for "O" agglutinin is considered significant.

2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

1.Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.

2.Lower titres may be found in normal individuals.

3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.

4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever i.e High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.

2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.

3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.

*** End Of Report ***





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