



A PIONEER DIAGNOSTIC CENTRE

■ 0171-2532620, 8222896961 ■ pkrjainhealthcare@gmail.com

NAME : Mrs. LUXMI

AGE/ GENDER : 70 YRS/FEMALE **PATIENT ID** : 1800251

COLLECTED BY REG. NO./LAB NO. : 122503210009

REFERRED BY **REGISTRATION DATE** : 21/Mar/2025 10:32 AM BARCODE NO. : 12507618 **COLLECTION DATE** : 21/Mar/2025 10:39AM CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE REPORTING DATE : 21/Mar/2025 12:44PM

CLIENT ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

Value Unit **Biological Reference interval Test Name**

HAEMATOLOGY COMPLETE BLOOD COUNT (CBC)

RED BLOOD CELLS (RBCS) COUNT AND INDICES

HAEMOGLOBIN (HB) by CALORIMETRIC	11.6 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	4.09	Millions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	33.8 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	82.7	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	28.4	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	34.4	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	15	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	47.7	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	20.22	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	30.37	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	11110 ^H	/cmm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	68	%	50 - 70
LYMPHOCYTES	20	%	20 - 40



CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)







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Test Name	Value	Unit	Biological Reference interval			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY						
EOSINOPHILS	$\mathbf{0^L}$	%	1 - 6			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY						
MONOCYTES	12	%	2 - 12			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY		0/	0 1			
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1			
ABSOLUTE LEUKOCYTES (WBC) COUNT						
ABSOLUTE NEUTROPHIL COUNT	7555 ^H	/cmm	2000 - 7500			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	/555**	/ CIIIII	2000 - 1300			
ABSOLUTE LYMPHOCYTE COUNT	2222^{L}	/cmm	800 - 4900			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY						
ABSOLUTE EOSINOPHIL COUNT	$\mathbf{0_{L}}$	/cmm	40 - 440			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY						
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1333 ^H	/cmm	80 - 880			
ABSOLUTE BASOPHIL COUNT	0	/cmm	0 - 110			
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	U	/ CIIIII	0-110			
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.					
PLATELET COUNT (PLT)	276000	/cmm	150000 - 450000			
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	2.000	, , ,	100000			
PLATELETCRIT (PCT)	0.3	%	0.10 - 0.36			
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE						
MEAN PLATELET VOLUME (MPV)	11	fL	6.50 - 12.0			
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	U	/	20000 00000			
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	94000 ^H	/cmm	30000 - 90000			
PLATELET LARGE CELL RATIO (P-LCR)	34.1	%	11.0 - 45.0			
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	U 1.1	, 0	11.0 10.0			
PLATELET DISTRIBUTION WIDTH (PDW)	16	%	15.0 - 17.0			
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE						
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD						



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Value Unit **Test Name Biological Reference interval**

ERYTHROCYTE SEDIMENTATION RATE (ESR)

ERYTHROCYTE SEDIMENTATION RATE (ESR)

35^H

mm/1st hr

0 - 20

by RED CELL AGGREGATION BY CAPILLARY PHOTOMETRY

INTERPRETATION:

- 1. ESR is a non-specific test because an elevated result often indicates the presence of inflammation associated with infection, cancer and autoimmune disease, but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it.
- 2. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other test such as C-reactive protein
- 3. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as some others, such as systemic lupus erythematosus

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:

- 1. ESR and C reactive protein (C-RP) are both markers of inflammation.
- 2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 3. CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibringen.
 5. Women tend to average mathyldone and entraceptives professional processing mathyldone and with the opposition of the oppositio

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

PERIPHERAL BLOOD SMEAR FOR MALARIA

PERIPHERAL BLOOD SMEAR FOR MALARIAL PARASITE (MP) by MICROSCOPY

NO MALARIA PARASITE (MP) SEEN IN SMEAR EXAMINED



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Value Unit **Biological Reference interval Test Name**

IMMUNOPATHOLOGY/SEROLOGY **C-REACTIVE PROTEIN (CRP)**

C-REACTIVE PROTEIN (CRP) QUANTITATIVE: 10.26^H 0.0 - 6.0

SERUM

by NEPHLOMETRY **INTERPRETATION:**

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

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.



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Test Name	Value	Unit	Biological Reference interval
	WIDAL SLIDE AGGLUTIN	NATION TEST	

SALMONELLA TYPHI O by SLIDE AGGLUTINATION	NIL	TITRE	1:80
SALMONELLA TYPHI H by SLIDE AGGLUTINATION	NIL	TITRE	1:160
SALMONELLA PARATYPHI AH by SLIDE AGGLUTINATION	NIL	TITRE	1:160
SALMONELLA PARATYPHI BH by SLIDE AGGLUTINATION	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.

- 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.

- 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.



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Value Unit **Biological Reference interval Test Name**

CLINICAL PATHOLOGY URINE ROUTINE & MICROSCOPIC EXAMINATION

PHYSICAL EXAMINATION

QUANTITY RECIEVED	10	ml	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
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 DID STICK/REEL ECTANCE SPECTROBHOTOMETRY			

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINATION			
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	5.5		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.	NEGATIVE (-ve)		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NOT DETECTED	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
.,			



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/HPF

0 - 3



NEGATIVE (-ve)

MICROSCOPIC EXAMINATION RED BLOOD CELLS (RBCs)





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Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	10-12	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	4-6	/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 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT



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MICROBIOLOGY

ACID FAST BACILLI (AFB)/ZEIHL-NEELSEN (Z-N) STAIN EXAMINATION

TEST NAME:

ACID FAST BACILLI (AFB)/ZEIHL-NEELSEN (Z-N) STAIN EXAMINATION

CLINICAL HISTORY (IF ANY):

NATURE OF SPECIMEN:

SPUTUM

MICROSCOPIC EXAMINATION:

Smear show mucus, epithelial cells & inflammatory cells.

ZEIHL NEELSEN (Z.N) STAIN FOR ACID FAST BACILLI:

No acid fast bacilli seen in Z.N stained smear.

IMPRESSION:

Negative for AFB (Acid fast bacilli).

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440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)





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