



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

## A PIONEER DIAGNOSTIC CENTRE

☎ 0171-2532620, 8222896961 ✉ pkrijainhealthcare@gmail.com

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

<b>NAME</b>	: Mr. SUNDAR LAL	<b>PATIENT ID</b>	: 1803508
<b>AGE/ GENDER</b>	: 59 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 122503240010
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 24/Mar/2025 09:50 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 24/Mar/2025 10:27AM
<b>BARCODE NO.</b>	: 12507666	<b>REPORTING DATE</b>	: 24/Mar/2025 11:37AM
<b>CLIENT CODE.</b>	: P.K.R JAIN HEALTHCARE INSTITUTE		
<b>CLIENT ADDRESS</b>	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA		

Test Name	Value	Unit	Biological Reference interval
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### HAEMATOLOGY

#### COMPLETE BLOOD COUNT (CBC)

#### RED BLOOD CELLS (RBCS) COUNT AND INDICES

HAEMOGLOBIN (HB) <i>by CALORIMETRIC</i>	14	gm/dL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i>	3.8	Millions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	<b>39.3<sup>L</sup></b>	%	40.0 - 54.0
MEAN CORPUSCULAR VOLUME (MCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	<b>103.5<sup>H</sup></b>	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	<b>36.9<sup>H</sup></b>	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	35.7	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	14.4	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	55.1	fL	35.0 - 56.0
MENTZERS INDEX <i>by CALCULATED</i>	27.24	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX <i>by CALCULATED</i>	39.28	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0

#### WHITE BLOOD CELLS (WBCS)

TOTAL LEUCOCYTE COUNT (TLC) <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	6470	/cmm	4000 - 11000
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#### DIFFERENTIAL LEUCOCYTE COUNT (DLC)

NEUTROPHILS <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	65	%	50 - 70
LYMPHOCYTES	24	%	20 - 40



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<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
EOSINOPHILS	5	%	1 - 6
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
MONOCYTES	6	%	2 - 12
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
BASOPHILS	0	%	0 - 1
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
<b><u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u></b>			
ABSOLUTE NEUTROPHIL COUNT	4206	/cmm	2000 - 7500
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE LYMPHOCYTE COUNT	1553	/cmm	800 - 4900
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE EOSINOPHIL COUNT	324	/cmm	40 - 440
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE MONOCYTE COUNT	388	/cmm	80 - 880
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE BASOPHIL COUNT	0	/cmm	0 - 110
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
<b><u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u></b>			
PLATELET COUNT (PLT)	<b>139000<sup>L</sup></b>	/cmm	150000 - 450000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELETCRIT (PCT)	0.17	%	0.10 - 0.36
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
MEAN PLATELET VOLUME (MPV)	12	fL	6.50 - 12.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL COUNT (P-LCC)	60000	/cmm	30000 - 90000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL RATIO (P-LCR)	42.9	%	11.0 - 45.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET DISTRIBUTION WIDTH (PDW)	16.6	%	15.0 - 17.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



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## IMMUNOPATHOLOGY/SEROLOGY

### WIDAL SLIDE AGGLUTINATION TEST

SALMONELLA TYPHI O <i>by SLIDE AGGLUTINATION</i>	1 : 80	TITRE	1 : 80
SALMONELLA TYPHI H <i>by SLIDE AGGLUTINATION</i>	1 : 40	TITRE	1 : 160
SALMONELLA PARATYPHI AH <i>by SLIDE AGGLUTINATION</i>	NIL	TITRE	1 : 160
SALMONELLA PARATYPHI BH <i>by SLIDE AGGLUTINATION</i>	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 repetition 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 O agglutinins indicate recent infection.

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



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