



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

## A PIONEER DIAGNOSTIC CENTRE

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

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

<b>NAME</b>	: Mr. UJJAGAR SINGH	<b>PATIENT ID</b>	: 1583123
<b>AGE/ GENDER</b>	: 68 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 122408170013
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 17/Aug/2024 11:19 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 17/Aug/2024 12:13PM
<b>BARCODE NO.</b>	: 12504194	<b>REPORTING DATE</b>	: 17/Aug/2024 01:49PM
<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

<b>HAEMOGLOBIN (HB)</b> <i>by CALORIMETRIC</i>	11.2 <sup>L</sup>	gm/dL	12.0 - 17.0
<b>RED BLOOD CELL (RBC) COUNT</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	4.15	Millions/cmm	3.50 - 5.00
<b>PACKED CELL VOLUME (PCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	32.8 <sup>L</sup>	%	40.0 - 54.0
<b>MEAN CORPUSCULAR VOLUME (MCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	79.1 <sup>L</sup>	fL	80.0 - 100.0
<b>MEAN CORPUSCULAR HAEMOGLOBIN (MCH)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	27	pg	27.0 - 34.0
<b>MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	34.1	g/dL	32.0 - 36.0
<b>RED CELL DISTRIBUTION WIDTH (RDW-CV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	14.9	%	11.00 - 16.00
<b>RED CELL DISTRIBUTION WIDTH (RDW-SD)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	44.7	fL	35.0 - 56.0
<b>MENTZERS INDEX</b> <i>by CALCULATED</i>	19.06	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
<b>GREEN &amp; KING INDEX</b> <i>by CALCULATED</i>	28.41	RATIO	BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0

##### WHITE BLOOD CELLS (WBCS)

<b>TOTAL LEUCOCYTE COUNT (TLC)</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	6780	/cmm	4000 - 11000
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##### DIFFERENTIAL LEUCOCYTE COUNT (DLC)

<b>NEUTROPHILS</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	63	%	50 - 70
<b>LYMPHOCYTES</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	31	%	20 - 40
<b>EOSINOPHILS</b>	2	%	1 - 6



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<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
MONOCYTES	4	%	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	4271	/cmm	2000 - 7500
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE LYMPHOCYTE COUNT	2102 <sup>L</sup>	/cmm	800 - 4900
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE EOSINOPHIL COUNT	136	/cmm	40 - 440
<i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>			
ABSOLUTE MONOCYTE COUNT	271	/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)	276000	/cmm	150000 - 450000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET CRIT (PCT)	0.22	%	0.10 - 0.36
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
MEAN PLATELET VOLUME (MPV)	8	fL	6.50 - 12.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL COUNT (P-LCC)	42000	/cmm	30000 - 90000
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET LARGE CELL RATIO (P-LCR)	15.1	%	11.0 - 45.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
PLATELET DISTRIBUTION WIDTH (PDW)	15.5	%	15.0 - 17.0
<i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>			
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



  
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### CLINICAL CHEMISTRY/BIOCHEMISTRY

#### LIVER FUNCTION TEST (COMPLETE)

BILIRUBIN TOTAL: SERUM <i>by DIAZOTIZATION, SPECTROPHOTOMETRY</i>	0.44	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM <i>by DIAZO MODIFIED, SPECTROPHOTOMETRY</i>	0.11	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	11.38	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	7.85	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.45	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM <i>by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL</i>	100.3	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM <i>by SZASZ, SPECTROPHOTOMETRY</i>	23.15	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM <i>by BIURET, SPECTROPHOTOMETRY</i>	7.42	gm/dL	6.20 - 8.00
ALBUMIN: SERUM <i>by BROMOCRESOL GREEN</i>	3.98	gm/dL	3.50 - 5.50
GLOBULIN: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	3.44	gm/dL	2.30 - 3.50
A : G RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.16	RATIO	1.00 - 2.00

#### INTERPRETATION


**NOTE:-** To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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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INTRAHEPATIC CHOLESTATIS		> 1.5	
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increased)	

**DECREASED:**

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

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

PKR



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