

(A Unit of KOS Healthcare)



Dr. Vinay Chopra
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Chairman & Consultant Pathologist

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

NAME : Mrs. AMARJEET KAUR WALIA

**AGE/ GENDER** : 71 YRS/FEMALE **PATIENT ID** : 1725263

COLLECTED BY: SURJESH REG. NO./LAB NO. : 012501160015

 REFERRED BY
 : 16/Jan/2025 10:27 AM

 BARCODE NO.
 : 01523946
 COLLECTION DATE
 : 16/Jan/2025 10:38AM

 CLIENT CODE.
 : KOS DIAGNOSTIC LAB
 REPORTING DATE
 : 16/Jan/2025 11:26AM

**CLIENT ADDRESS**: 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name Value Unit Biological Reference interval

### HAEMATOLOGY COMPLETE BLOOD COUNT (CBC)

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

HAEMOGLOBIN (HB) by CALORIMETRIC	10.3 <sup>L</sup>	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	3.78	Millions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	31.2 <sup>L</sup>	%	37.0 - 50.0
MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	82.6	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by calculated by automated hematology analyzer	27.3	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	33	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	16.3 <sup>H</sup>	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	50.9	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	21.85	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	35.69	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	8360	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS) by automated 6 part hematology analyzer	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) %	NIL	%	< 10 %



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by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER



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Test Name	Value	Unit	Biological Reference interval			
DIFFERENTIAL LEUCOCYTE COUNT (DLC)						
NEUTROPHILS by flow cytometry by Sf cube & Mil	77 <sup>H</sup>	%	50 - 70			
LYMPHOCYTES  by FLOW CYTOMETRY BY SF CUBE & MI	15 <sup>L</sup>	%	20 - 40			
EOSINOPHILS by flow cytometry by SF cube & Miles	O <sup>L</sup> CROSCOPY	%	1 - 6			
MONOCYTES  by Flow cytometry by SF cube & Miles	8 CROSCOPY	%	2 - 12			
BASOPHILS by flow cytometry by sf cube & mil		%	0 - 1			
ABSOLUTE LEUKOCYTES (WBC)	COUNT					
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by Sf cube & Mil		/cmm	2000 - 7500			
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MI		/cmm	800 - 4900			
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MI		/cmm	40 - 440			
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MI		/cmm	80 - 880			
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MI		/cmm	0 - 110			
ABSOLUTE IMMATURE GRANULO	CROSCOPY	/cmm	0.0 - 999.0			
PLATELETS AND OTHER PLATEI	PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.					
PLATELET COUNT (PLT) by hydro dynamic focusing, electr	75000 <sup>L</sup> VICAL IMPEDENCE	/cmm	150000 - 450000			
PLATELETCRIT (PCT) by hydro dynamic focusing, electr		%	0.10 - 0.36			
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electr	ICAL IMPEDENCE	fL	6.50 - 12.0			
PLATELET LARGE CELL COUNT (F by hydro dynamic focusing, electr		/cmm	30000 - 90000			
PLATELET LARGE CELL RATIO (P- by hydro dynamic focusing, electr		%	11.0 - 45.0			
PLATELET DISTRIBUTION WIDTH by hydro dynamic focusing, electr		%	15.0 - 17.0			



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

REPORTING DATE

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.

CLIENT CODE.



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### 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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Test Name Value Unit Biological Reference interval

### CLINICAL CHEMISTRY/BIOCHEMISTRY LIVER FUNCTION TEST (COMPLETE)

BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	1.01	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.45 <sup>H</sup>	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.56	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	97.72 <sup>H</sup>	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	45.33	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.16	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	132	U/L	40.0 - 150.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	35.1	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.95	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	$3.32^{L}$	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.63 <sup>H</sup>	gm/dL	2.30 - 3.50
A: GRATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.91 <sup>L</sup>	RATIO	1.00 - 2.00

NOTE 2 RESULT RECHECKED TWICE
ADVICE KINDLY CORRELATE CLINICALLY

**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



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Test Name	Value	Unit	Biological Reference interval
ALCOHOLIC HEPATITIS		> 2 (Highly Suggestive)	
CIRRHOSIS		1.4 - 2.0	
INTRAHEPATIC CHOLESTATIS	V	> 1.5	
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Increased)	
DECDEASED.			

- 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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Test Name Value Unit Biological Reference interval

# IMMUNOPATHOLOGY/SEROLOGY DENGUE FEVER COMBO SCREENING - (NS1 ANTIGEN, IgG AND IgM)

DENGUE NS1 ANTIGEN - SCREENING
by ICT (IMMUNOCHROMATOGRAPHY)

DENGUE ANTIBODY IgG - SCREENING
by ICT (IMMUNOCHROMATOGRAPHY)

DENGUE ANTIBODY IgM - SCREENING

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

by ICT (IMMUNOCHROMATOGRAPHY)

### **INTERPRETATION:-**

- 1. This is a solid phase immunochromatographic ELISA test for the qualitative detection of the specific IgG and IgM antibodies against the Dengue virus.
- 2.The IgM antibodies take a minimum of 5-10 days in primary infection and 4-5 days in secondary infections to test positive and hence are suitable for the diagnosis of dengue fever only when the fever is approximately one week old.
- 3.The IgG antibodies develop at least two weeks after exposure to primary infection and subsequently remain positive for the rest of the life. A positive result is incapable of differentiating a current infection from a past infection.

4. The Dengue NS-1 antigen test is most suited for early diagnosis (within the first week of exposure).



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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

PALE YELLOW COLOUR 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

**CHEMICAL EXAMINATION** 

**ACIDIC** REACTION

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY 2+ **NEGATIVE (-ve)** 

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

**SUGAR** Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

рН 5.0 - 7.5

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

BILIRUBIN Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

NEGATIVE (-ve) **NITRITE** Negative

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.

**UROBILINOGEN** Normal EU/dL 0.2 - 1.0by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

KETONE BODIES NEGATIVE (-ve) Negative

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) Negative

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

ASCORBIC ACID NEGATIVE (-ve) NEGATIVE (-ve)

NEGATIVE (-ve)

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

**MICROSCOPIC EXAMINATION** 

RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT



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/HPF

0 - 3





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Test Name	Value	Unit	Biological Reference interval
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/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

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



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