

Dr. Vinay Chopra  
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CEO & Consultant Pathologist

NAME : Mr. HARGUNEET SINGH  
AGE/ GENDER : 35 YRS/MALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : 01522346  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1697145  
REG. NO./LAB NO. : 012412120018  
REGISTRATION DATE : 12/Dec/2024 10:58 AM  
COLLECTION DATE : 12/Dec/2024 11:00AM  
REPORTING DATE : 12/Dec/2024 11:13AM

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>	14.7	gm/dL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	5.59 <sup>H</sup>	Millions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	45.8	%	40.0 - 54.0
MEAN CORPUSCULAR VOLUME (MCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	81.9	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	26.3 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	32.2	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	13.6	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	42	fL	35.0 - 56.0
MENTZERS INDEX <i>by CALCULATED</i>	14.65	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX <i>by CALCULATED</i>	19.93	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>	4670	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS) <i>by AUTOMATED 6 PART HEMATOLOGY ANALYZER</i>	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) % <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	NIL	%	< 10 %



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<b><u>DIFFERENTIAL LEUCOCYTE COUNT (DLC)</u></b>			
NEUTROPHILS <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	53	%	50 - 70
LYMPHOCYTES <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	36	%	20 - 40
EOSINOPHILS <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	1	%	1 - 6
MONOCYTES <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	10	%	2 - 12
BASOPHILS <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	0	%	0 - 1
<b><u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u></b>			
ABSOLUTE NEUTROPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	2475	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	1681	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	47	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	467	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	0	/cmm	0 - 110
<b><u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u></b>			
PLATELET COUNT (PLT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	157000	/cmm	150000 - 450000
PLATELETCRIT (PCT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	0.18	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	56000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	35.9	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	16.2	%	15.0 - 17.0

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



  
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<b>BARCODE NO.</b>	: 01522346	<b>REPORTING DATE</b>	: 12/Dec/2024 05:56PM
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### MOLECULAR PATHOLOGY

#### CHIKUNGUNYA VIRUS RNA DETECTION BY PCR: QUALITATIVE

TYPE OF SAMPLE	PLASMA	
by RT-PCR (REAL TIME-POLYMERASE CHAIN REACTION)		
CHIKUNGUNYA VIRUS: RT-PCR	NEGATIVE (-ve)	NEGATIVE (-ve)
QUALITATIVE		
by RT-PCR (REAL TIME-POLYMERASE CHAIN REACTION)		
INTERNAL CONTROL	POSITIVE (+ve)	
by RT-PCR (REAL TIME-POLYMERASE CHAIN REACTION)		

#### INTERPRETATION:

RESULT	REMARKS
DETECTED	Indicates presence of Chikungunya in the sample submitted
INTERMEDIATE	Indicates presence of inherent inhibitors in the sample submitted
NOT DETECTED	Indicates absence of Chikungunya in the sample submitted

#### NOTE:


1. A negative result does not necessarily indicate the absence of Chikungunya infection as virus is detected only during 2-9 days post infection or the virus copy number may be below the detection limit of the assay
2. This assay may detect viremia or viral shedding in asymptomatic individuals also
3. Test conducted on EDTA Whole blood, CSF, Plasma or Serum

#### COMMENT:

Chikungunya virus (CHIKV) is a single-stranded RNA virus that is transmitted to humans primarily by the female Aedes aegypti and Aedes albopictus mosquitoes. These mosquitoes can also transmit Dengue, Yellow fever, and Zika viruses. Chikungunya is characterized by an abrupt onset of fever accompanied by joint pain. Common symptoms include muscle pain, headache, nausea, fatigue and rash. The joint pain is often very debilitating. It usually lasts for a few days or may be prolonged to weeks. Although most individuals fully recover after acute illness, some experience chronic or recurrent symptoms. Approximately 12% to 18% of affected individuals develop painful arthritis that persists for several months to years. One study reported that up to 60% of patients experienced persistent arthritis.

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



  
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