

Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

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

NAME : Mrs. BABITA
AGE/ GENDER : 28 YRS/FEMALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01513622
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1556673
REG. NO./LAB NO. : 012407220043
REGISTRATION DATE : 22/Jul/2024 12:47 PM
COLLECTION DATE : 22/Jul/2024 12:48PM
REPORTING DATE : 22/Jul/2024 01:08PM

| 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) by CALORIMETRIC | 12.4 | gm/dL | 12.0 - 16.0 |
| RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE | 4.17 | Millions/cmm | 3.50 - 5.00 |
| PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 38.3 | % | 37.0 - 50.0 |
| MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 91.8 | fL | 80.0 - 100.0 |
| MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 29.8 | pg | 27.0 - 34.0 |
| MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 32.5 | g/dL | 32.0 - 36.0 |
| RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 14.5 | % | 11.00 - 16.00 |
| RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER | 49.6 | fL | 35.0 - 56.0 |
| MENTZERS INDEX by CALCULATED | 22.01 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDEX by CALCULATED | 31.99 | RATIO | BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0 |

WHITE BLOOD CELLS (WBCS)

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|--|--------------------|------|--------------|
| TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY | 12600 ^H | /cmm | 4000 - 11000 |
| NUCLEATED RED BLOOD CELLS (nRBCS) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER & MICROSCOPY | NIL | | 0.00 - 20.00 |
| NUCLEATED RED BLOOD CELLS (nRBCS) % by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER & MICROSCOPY | NIL | % | < 10 % |




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| <u>DIFFERENTIAL LEUCOCYTE COUNT (DLC)</u> | | | |
| NEUTROPHILS <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 59 | % | 50 - 70 |
| LYMPHOCYTES <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 28 | % | 20 - 40 |
| EOSINOPHILS <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 7 ^H | % | 1 - 6 |
| MONOCYTES <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 6 | % | 2 - 12 |
| BASOPHILS <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 0 | % | 0 - 1 |
| <u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u> | | | |
| ABSOLUTE NEUTROPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 7434 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPHOCYTE COUNT <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 3528 | /cmm | 800 - 4900 |
| ABSOLUTE EOSINOPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 882 ^H | /cmm | 40 - 440 |
| ABSOLUTE MONOCYTE COUNT <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 756 | /cmm | 80 - 880 |
| ABSOLUTE BASOPHIL COUNT <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 0 | /cmm | 0 - 110 |
| <u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u> | | | |
| PLATELET COUNT (PLT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 212000 | /cmm | 150000 - 450000 |
| PLATELETCRIT (PCT) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 0.29 | % | 0.10 - 0.36 |
| MEAN PLATELET VOLUME (MPV) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 14 ^H | fL | 6.50 - 12.0 |
| PLATELET LARGE CELL COUNT (P-LCC) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 109000 ^H | /cmm | 30000 - 90000 |
| PLATELET LARGE CELL RATIO (P-LCR) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 51.5 ^H | % | 11.0 - 45.0 |
| PLATELET DISTRIBUTION WIDTH (PDW) <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 16.7 | % | 15.0 - 17.0 |

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD




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INDIRECT COOMBS TEST (ICT)

| | | |
|----------------------------|----------------|----------------|
| INDIRECT COOMBS TEST (ICT) | NEGATIVE (-ve) | NEGATIVE (-ve) |
|----------------------------|----------------|----------------|

INTERPRETATION:- SIGNIFICANCE:

- 1.The indirect Coombs test (also known as the indirect antiglobulin test or IAT) is used to detect in-vitro antibody-antigen reactions.
- 2.To detect very low concentrations of antibodies present in a patient's plasma/serum prior to a blood transfusion. The donor's and recipient's blood must be ABO and Rh D compatible.
- 3.In antenatal care, the IAT is used to screen pregnant women for antibodies IgG that are likely to pass through the placenta into the fetal blood and cause hemolytic disease of the newborn.
- 4.The IAT can also be used for compatibility testing, antibody identification, RBC phenotyping, and titration studies.

*** End Of Report ***




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