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|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| <b>NAME</b>           | : <b>Baby. JAPSIRAT KAUR</b>           | <b>PATIENT ID</b>        | : 1621402              |
| <b>AGE/ GENDER</b>    | : 4 YRS/FEMALE                         | <b>REG. NO./LAB NO.</b>  | : <b>012409220033</b>  |
| <b>COLLECTED BY</b>   | : SURJESH                              | <b>REGISTRATION DATE</b> | : 22/Sep/2024 09:21 AM |
| <b>REFERRED BY</b>    | :                                      | <b>COLLECTION DATE</b>   | : 22/Sep/2024 09:38AM  |
| <b>BARCODE NO.</b>    | : 01517468                             | <b>REPORTING DATE</b>    | : 22/Sep/2024 09:56AM  |
| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
| <b>CLIENT ADDRESS</b> | : 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**

|  |                   |              |   |
|--|-------------------|--------------|---|
| <b>HAEMOGLOBIN (HB)</b><br><i>by CALORIMETRIC</i>  | 11.1 <sup>L</sup> | gm/dL        | 12.0 - 16.0   |
| RED BLOOD CELL (RBC) COUNT<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>               | 4.8               | Millions/cmm | 3.50 - 5.50   |
| <b>PACKED CELL VOLUME (PCV)</b><br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>           | 34.8 <sup>L</sup> | %            | 35.0 - 49.0   |
| <b>MEAN CORPUSCULAR VOLUME (MCV)</b><br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>      | 72.4 <sup>L</sup> | fL           | 80.0 - 100.0  |
| <b>MEAN CORPUSCULAR HAEMOGLOBIN (MCH)</b><br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 23.2 <sup>L</sup> | pg           | 27.0 - 34.0   |
| MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>  | 32.1              | g/dL         | 32.0 - 36.0   |
| RED CELL DISTRIBUTION WIDTH (RDW-CV)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>      | 15.2              | %            | 11.00 - 16.00   |
| RED CELL DISTRIBUTION WIDTH (RDW-SD)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>      | 41.1              | fL           | 35.0 - 56.0   |
| MENTZERS INDEX<br><i>by CALCULATED</i>   | 15.08             | RATIO        | BETA THALASSEMIA TRAIT: < 13.0<br>IRON DEFICIENCY ANEMIA: >13.0   |
| GREEN & KING INDEX<br><i>by CALCULATED</i>   | 23                | RATIO        | BETA THALASSEMIA TRAIT: <= 65.0<br>IRON DEFICIENCY ANEMIA: > 65.0 |

**WHITE BLOOD CELLS (WBCS)**

|  |       |      |              |
|--|-------|------|--------------|
| TOTAL LEUCOCYTE COUNT (TLC)<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>          | 11380 | /cmm | 5000 - 15000 |
| NUCLEATED RED BLOOD CELLS (nRBCS)<br><i>by AUTOMATED 6 PART HEMATOLOGY ANALYZER</i>          | NIL   |      | 0.00 - 20.00 |
| NUCLEATED RED BLOOD CELLS (nRBCS) %<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | NIL   | %    | < 10 %       |

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)**

|   |    |   |         |
|---|----|---|---------|
| NEUTROPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i> | 69 | % | 50 - 70 |
|---|----|---|---------|



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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|---|---------------------|------|-------------------------------|
| LYMPHOCYTES<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                         | 26                  | %    | 20 - 45                       |
| EOSINOPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                         | 0 <sup>L</sup>      | %    | 1 - 6                         |
| MONOCYTES<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                           | 5                   | %    | 3 - 12                        |
| BASOPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                           | 0                   | %    | 0 - 1                         |
| <b>ABSOLUTE LEUKOCYTES (WBC) COUNT</b>  |                     |      |                               |
| ABSOLUTE NEUTROPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | 7852 <sup>H</sup>   | /cmm | 2000 - 7500                   |
| ABSOLUTE LYMPHOCYTE COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | 2959                | /cmm | 800 - 4900                    |
| ABSOLUTE EOSINOPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | 0 <sup>L</sup>      | /cmm | 40 - 440                      |
| ABSOLUTE MONOCYTE COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>             | 569                 | /cmm | 80 - 880                      |
| ABSOLUTE BASOPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>             | 0                   | /cmm | 0 - 110                       |
| <b>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</b>                                     |                     |      |                               |
| PLATELET COUNT (PLT)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>              | 587000 <sup>H</sup> | /cmm | 150000 - 450000               |
| PLATELET CRIT (PCT)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>               | 0.5 <sup>H</sup>    | %    | 0.10 - 0.36                   |
| MEAN PLATELET VOLUME (MPV)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>        | 8                   | fL   | 6.50 - 12.0                   |
| PLATELET LARGE CELL COUNT (P-LCC)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 88000               | /cmm | 30000 - 90000                 |
| PLATELET LARGE CELL RATIO (P-LCR)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 15                  | %    | 11.0 - 45.0                   |
| PLATELET DISTRIBUTION WIDTH (PDW)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 15.4                | %    | 15.0 - 17.0                   |
| NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD  |                     |      |                               |



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**IMMUNOPATHOLOGY/SEROLOGY**

**C-REACTIVE PROTEIN (CRP)**

|   |                           |             |                  |
|---|---------------------------|-------------|------------------|
| <b>C-REACTIVE PROTEIN (CRP) QUANTITATIVE:</b> | <b>146.79<sup>H</sup></b> | <b>mg/L</b> | <b>0.0 - 6.0</b> |
|---|---------------------------|-------------|------------------|

**SERUM**  
by NEPHLOMETRY

**INTERPRETATION:**

1. C-reactive protein (CRP) is one of the most sensitive acute-phase reactants for inflammation.
2. CRP levels can increase dramatically (100-fold or more) after severe trauma, bacterial infection, inflammation, surgery, or neoplastic proliferation.
3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant rejection, and to monitor these inflammatory processes.
4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc.,
5. Elevated values are consistent with an acute inflammatory process.

- NOTE:**
1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
  2. Oral contraceptives may increase CRP levels.

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



  
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