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 Chairman & Consultant Pathologist

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

|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| <b>NAME</b>           | : Baby. ANVIKA                         | <b>PATIENT ID</b>        | : 1759167              |
| <b>AGE/ GENDER</b>    | : 7 YRS/FEMALE                         | <b>REG. NO./LAB NO.</b>  | : 012502160045         |
| <b>COLLECTED BY</b>   | :                                      | <b>REGISTRATION DATE</b> | : 16/Feb/2025 01:38 PM |
| <b>REFERRED BY</b>    | : Dr. P.S.AHUJA (AMBALA CANTT)         | <b>COLLECTION DATE</b>   | : 16/Feb/2025 01:41PM  |
| <b>BARCODE NO.</b>    | : 01525618                             | <b>REPORTING DATE</b>    | : 16/Feb/2025 01:59PM  |
| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
| <b>CLIENT ADDRESS</b> | : 6349/1, NICHOLSON ROAD, AMBALA CANTT |                          |                        |

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

### HAEMATOTOLOGY

#### COMPLETE BLOOD COUNT (CBC)

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

|   |                   |              |  |
|---|-------------------|--------------|--|
| HAEMOGLOBIN (HB)<br><i>by CALORIMETRIC</i>  | 13.2              | gm/dL        | 12.0 - 16.0  |
| RED BLOOD CELL (RBC) COUNT<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>              | 5.02              | Millions/cmm | 3.50 - 5.50  |
| PACKED CELL VOLUME (PCV)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>                 | 39.9              | %            | 35.0 - 49.0  |
| MEAN CORPUSCULAR VOLUME (MCV)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>            | 79.5 <sup>L</sup> | fL           | 80.0 - 100.0   |
| MEAN CORPUSCULAR HAEMOGLOBIN (MCH)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>       | 26.3 <sup>L</sup> | pg           | 27.0 - 34.0  |
| MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 33.1              | g/dL         | 32.0 - 36.0  |
| RED CELL DISTRIBUTION WIDTH (RDW-CV)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>     | 14.1              | %            | 11.00 - 16.00  |
| RED CELL DISTRIBUTION WIDTH (RDW-SD)<br><i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>     | 42.1              | fL           | 35.0 - 56.0  |
| MENTZERS INDEX<br><i>by CALCULATED</i>  | 15.84             | RATIO        | BETA THALASSEMIA TRAIT: < 13.0<br>IRON DEFICIENCY ANEMIA: >13.0  |
| GREEN & KING INDEX<br><i>by CALCULATED</i>  | 22.33             | 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>          | 11750 | /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 %       |



  
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| Test Name   | Value                     | Unit | Biological Reference interval |
|---|---------------------------|------|-------------------------------|
| <b><u>DIFFERENTIAL LEUCOCYTE COUNT (DLC)</u></b>  |                           |      |                               |
| NEUTROPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                         | <b>76<sup>H</sup></b>     | %    | 50 - 70                       |
| LYMPHOCYTES<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                         | <b>16<sup>L</sup></b>     | %    | 20 - 45                       |
| EOSINOPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                         | <b>0<sup>L</sup></b>      | %    | 1 - 6                         |
| MONOCYTES<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                           | 8                         | %    | 3 - 12                        |
| BASOPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>                           | 0                         | %    | 0 - 1                         |
| IMMATURE GRANULOCYTE (IG) %<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>         | 0                         | %    | 0 - 5.0                       |
| <b><u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u></b>   |                           |      |                               |
| ABSOLUTE NEUTROPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | <b>8930<sup>H</sup></b>   | /cmm | 2000 - 7500                   |
| ABSOLUTE LYMPHOCYTE COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | 1880                      | /cmm | 800 - 4900                    |
| ABSOLUTE EOSINOPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>           | <b>0<sup>L</sup></b>      | /cmm | 40 - 440                      |
| ABSOLUTE MONOCYTE COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>             | <b>940<sup>H</sup></b>    | /cmm | 80 - 880                      |
| ABSOLUTE BASOPHIL COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>             | 0                         | /cmm | 0 - 110                       |
| ABSOLUTE IMMATURE GRANULOCYTE COUNT<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i> | 0                         | /cmm | 0.0 - 999.0                   |
| <b><u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u></b>                              |                           |      |                               |
| PLATELET COUNT (PLT)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>              | 348000                    | /cmm | 150000 - 450000               |
| PLATELETCRIT (PCT)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>                | <b>0.36<sup>H</sup></b>   | %    | 0.10 - 0.36                   |
| MEAN PLATELET VOLUME (MPV)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>        | 10                        | fL   | 6.50 - 12.0                   |
| PLATELET LARGE CELL COUNT (P-LCC)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | <b>100000<sup>H</sup></b> | /cmm | 30000 - 90000                 |
| PLATELET LARGE CELL RATIO (P-LCR)<br><i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 28.7                      | %    | 11.0 - 45.0                   |



  
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| Test Name   | Value | Unit | Biological Reference interval |
|---|-------|------|-------------------------------|
| PLATELET DISTRIBUTION WIDTH (PDW)<br><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>    | : 01525618                             | <b>REPORTING DATE</b>    | : 16/Feb/2025 03:29PM  |
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| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

### IMMUNOPATHOLOGY/SEROLOGY C-REACTIVE PROTEIN (CRP)

|  |      |      |           |
|--|------|------|-----------|
| C-REACTIVE PROTEIN (CRP) QUANTITATIVE: | 5.71 | mg/L | 0.0 - 6.0 |
|--|------|------|-----------|

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.



  
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| <b>BARCODE NO.</b>    | : 01525618                             | <b>REPORTING DATE</b>    | : 16/Feb/2025 02:57PM  |
| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
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|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

## CLINICAL PATHOLOGY

### URINE ROUTINE & MICROSCOPIC EXAMINATION

#### PHYSICAL EXAMINATION

|   |             |    |               |
|---|-------------|----|---------------|
| QUANTITY RECEIVED                                 | 10          | ml |               |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |             |    |               |
| COLOUR  | PALE YELLOW |    | PALE YELLOW   |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |             |    |               |
| TRANSPARANCY                                      | HAZY        |    | CLEAR         |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |             |    |               |
| SPECIFIC GRAVITY                                  | 1.02        |    | 1.002 - 1.030 |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |             |    |               |

#### CHEMICAL EXAMINATION

|   |                |       |                |
|---|----------------|-------|----------------|
| REACTION  | ACIDIC         |       |                |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| PROTEIN   | Negative       |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| SUGAR   | Negative       |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| pH  | 6              |       | 5.0 - 7.5      |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| BILIRUBIN   | Negative       |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| NITRITE   | Negative       |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| UROBILINOGEN                                      | Normal         | EU/dL | 0.2 - 1.0      |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| KETONE BODIES                                     | Negative       |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| BLOOD   | 1+             |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |
| ASCORBIC ACID                                     | NEGATIVE (-ve) |       | NEGATIVE (-ve) |
| <i>by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY</i> |                |       |                |

#### MICROSCOPIC EXAMINATION

|  |     |      |       |
|--|-----|------|-------|
| RED BLOOD CELLS (RBCs)                               | 4-6 | /HPF | 0 - 3 |
| <i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i> |     |      |       |



  
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| PUS CELLS<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                        | 0-2                        | /HPF | 0 - 5                         |
| EPITHELIAL CELLS<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                 | 2-3                        | /HPF | ABSENT                        |
| CRYSTALS<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                         | NEGATIVE (-ve)             |      | NEGATIVE (-ve)                |
| CASTS<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                            | NEGATIVE (-ve)             |      | NEGATIVE (-ve)                |
| BACTERIA<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                         | NEGATIVE (-ve)             |      | NEGATIVE (-ve)                |
| <b>OTHERS</b><br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i>                    | <b>MUCOUS THREADS SEEN</b> |      | <b>NEGATIVE (-ve)</b>         |
| TRICHOMONAS VAGINALIS (PROTOZOA)<br><i>by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT</i> | ABSENT                     |      | ABSENT                        |

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



  
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