

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

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

|                       |  |                          |                        |
|-----------------------|--|--------------------------|------------------------|
| <b>NAME</b>           | : Mr. BINDER                           | <b>PATIENT ID</b>        | : 1681021              |
| <b>AGE/ GENDER</b>    | : 57 YRS/MALE                          | <b>REG. NO./LAB NO.</b>  | : 012411240047         |
| <b>COLLECTED BY</b>   | :                                      | <b>REGISTRATION DATE</b> | : 24/Nov/2024 01:44 PM |
| <b>REFERRED BY</b>    | :                                      | <b>COLLECTION DATE</b>   | : 24/Nov/2024 01:53PM  |
| <b>BARCODE NO.</b>    | : 01521380                             | <b>REPORTING DATE</b>    | : 24/Nov/2024 02:16PM  |
| <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

#### HAEMOGLOBIN (HB)

|                                     |      |       |             |
|-------------------------------------|------|-------|-------------|
| HAEMOGLOBIN (HB)<br>by CALORIMETRIC | 13.3 | gm/dL | 12.0 - 17.0 |
|-------------------------------------|------|-------|-------------|

#### INTERPRETATION:-

Hemoglobin is the protein molecule in red blood cells that carries oxygen from the lungs to the body's tissues and returns carbon dioxide from the tissues back to the lungs.

A low hemoglobin level is referred to as ANEMIA or low red blood count.

#### ANEMIA ( DECREASED HAEMOGLOBIN):

- 1) Loss of blood (traumatic injury, surgery, bleeding, colon cancer or stomach ulcer)
- 2) Nutritional deficiency (iron, vitamin B12, folate)
- 3) Bone marrow problems (replacement of bone marrow by cancer)
- 4) Suppression by red blood cell synthesis by chemotherapy drugs
- 5) Kidney failure
- 6) Abnormal hemoglobin structure (sickle cell anemia or thalassemia).

#### POLYCYTHEMIA (INCREASED HAEMOGLOBIN):

- 1) People in higher altitudes (Physiological)
- 2) Smoking (Secondary Polycythemia)
- 3) Dehydration produces a falsely rise in hemoglobin due to increased haemoconcentration
- 4) Advanced lung disease (for example, emphysema)
- 5) Certain tumors
- 6) A disorder of the bone marrow known as polycythemia rubra vera,
- 7) Abuse of the drug erythropoietin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

**NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD**





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PATIENT ID : 1681021  
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REGISTRATION DATE : 24/Nov/2024 01:44 PM  
COLLECTION DATE : 24/Nov/2024 01:53PM  
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TOTAL LEUCOCYTE COUNT (TLC)

|  |      |      |              |
|--|------|------|--------------|
| TOTAL LEUCOCYTE COUNT (TLC)<br>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY<br>NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD | 8690 | /cmm | 4000 - 11000 |
|--|------|------|--------------|



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| <b>BARCODE NO.</b>    | : 01521380                             | <b>REPORTING DATE</b>    | : 24/Nov/2024 02:16PM  |
| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
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|-----------|-------|------|-------------------------------|

### DIFFERENTIAL LEUCOCYTE COUNT (DLC)

|   |                 |   |         |
|---|-----------------|---|---------|
| NEUTROPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i> | 82 <sup>H</sup> | % | 50 - 70 |
| LYMPHOCYTES<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i> | 14 <sup>L</sup> | % | 20 - 40 |
| 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>   | 4               | % | 2 - 12  |
| BASOPHILS<br><i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>   | 0               | % | 0 - 1   |

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



  
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COLLECTION DATE : 24/Nov/2024 01:53PM  
REPORTING DATE : 24/Nov/2024 03:18PM

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CLINICAL CHEMISTRY/BIOCHEMISTRY

CREATININE

|  |      |       |             |
|--|------|-------|-------------|
| CREATININE: SERUM<br>by ENZYMATIC, SPECTROPHOTOMETRY | 0.99 | mg/dL | 0.40 - 1.40 |
|--|------|-------|-------------|

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



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