

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

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

|                       |                                        |                          |                        |
|-----------------------|----------------------------------------|--------------------------|------------------------|
| <b>NAME</b>           | : Mr. BRIJ LAL GUPTA                   | <b>PATIENT ID</b>        | : 1767822              |
| <b>AGE/ GENDER</b>    | : 80 YRS/MALE                          | <b>REG. NO./LAB NO.</b>  | : 012503200050         |
| <b>COLLECTED BY</b>   | : SURJESH                              | <b>REGISTRATION DATE</b> | : 20/Mar/2025 07:07 PM |
| <b>REFERRED BY</b>    | :                                      | <b>COLLECTION DATE</b>   | : 20/Mar/2025 07:10PM  |
| <b>BARCODE NO.</b>    | : 01527461                             | <b>REPORTING DATE</b>    | : 20/Mar/2025 07:53PM  |
| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
| <b>CLIENT ADDRESS</b> | : 6349/1, NICHOLSON ROAD, AMBALA CANTT |                          |                        |

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

## CLINICAL CHEMISTRY/BIOCHEMISTRY

### ELECTROLYTES COMPLETE PROFILE

|                                                             |       |        |               |
|-------------------------------------------------------------|-------|--------|---------------|
| SODIUM: SERUM<br><i>by ISE (ION SELECTIVE ELECTRODE)</i>    | 142   | mmol/L | 135.0 - 150.0 |
| POTASSIUM: SERUM<br><i>by ISE (ION SELECTIVE ELECTRODE)</i> | 4.79  | mmol/L | 3.50 - 5.00   |
| CHLORIDE: SERUM<br><i>by ISE (ION SELECTIVE ELECTRODE)</i>  | 106.5 | mmol/L | 90.0 - 110.0  |

#### INTERPRETATION:-

##### SODIUM:-

Sodium is the major cation of extra-cellular fluid. Its primary function in the body is to chemically maintain osmotic pressure & acid base balance & to transmit nerve impulse.

##### HYPONATREMIA (LOW SODIUM LEVEL) CAUSES:-

1. Low sodium intake.
2. Sodium loss due to diarrhea & vomiting with adequate water and inadequate salt replacement.
3. Diuretics abuses.
4. Salt loosing nephropathy.
5. Metabolic acidosis.
6. Adrenocortical insufficiency .
7. Hepatic failure.

##### HYPERNATREMIA (INCREASED SODIUM LEVEL) CAUSES:-

1. Hyperapnea (Prolonged)
2. Diabetes insipidus
3. Diabetic acidosis
4. Cushing's syndrome
5. Dehydration

##### POTASSIUM:-

Potassium is the major cation in the intracellular fluid. 90% of potassium is concentrated within the cells. When cells are damaged, potassium is released in the blood.

##### HYPOKALEMIA (LOW POTASSIUM LEVELS):-

1. Diarrhoea, vomiting & malabsorption.
2. Severe Burns.
3. Increased Secretions of Aldosterone

##### HYPERKALEMIA (INCREASED POTASSIUM LEVELS):-

1. Oliguria



  
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2.Renal failure or Shock  
 3.Respiratory acidosis  
 4.Hemolysis of blood

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



  
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