

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

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

**NAME** : Mr. VIVEK SINGLA  
**AGE/ GENDER** : 50 YRS/MALE  
**COLLECTED BY** :  
**REFERRED BY** :  
**BARCODE NO.** : 01519947  
**CLIENT CODE.** : KOS DIAGNOSTIC LAB  
**CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

**PATIENT ID** : 692616  
**REG. NO./LAB NO.** : 012411020061  
**REGISTRATION DATE** : 02/Nov/2024 05:21 PM  
**COLLECTION DATE** : 02/Nov/2024 05:22PM  
**REPORTING DATE** : 02/Nov/2024 06:59PM

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

**CLINICAL CHEMISTRY/BIOCHEMISTRY**

**CHOLESTEROL: SERUM**

CHOLESTEROL TOTAL: SERUM  
by CHOLESTEROL OXIDASE PAP

**224.9<sup>H</sup>**

mg/dL

OPTIMAL: < 200.0  
BORDERLINE HIGH: 200.0 - 239.0  
HIGH CHOLESTEROL: > OR = 240.0

**INTERPRETATION:**


| NATIONAL LIPID ASSOCIATION RECOMMENDATIONS (NLA-2014) | CHOLESTEROL IN ADULTS (mg/dL) | CHOLESTEROL IN ADULTS (mg/dL) |
|---|-------------------------------|-------------------------------|
| DESIRABLE   | < 200.0                       | < 170.0                       |
| BORDERLINE HIGH                                       | 200.0 – 239.0                 | 171.0 – 199.0                 |
| HIGH  | >= 240.0                      | >= 200.0                      |

**NOTE:**

- Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.
- As per National Lipid association - 2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.



  
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|                       |  |                          |                        |
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| <b>CLIENT CODE.</b>   | : KOS DIAGNOSTIC LAB                   |                          |                        |
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### URIC ACID

|                                 |      |       |             |
|---------------------------------|------|-------|-------------|
| URIC ACID: SERUM                | 4.88 | mg/dL | 3.60 - 7.70 |
| by URICASE - OXIDASE PEROXIDASE |      |       |             |

#### INTERPRETATION:-

1. GOUT occurs when high levels of Uric Acid in the blood cause crystals to form & accumulate around a joint.  
 2. Uric Acid is the end product of purine metabolism . Uric acid is excreted to a large degree by the kidneys and to a smaller degree in the intestinal tract by microbial degradation.

#### INCREASED:-

##### (A).DUE TO INCREASED PRODUCTION:-

1. Idiopathic primary gout.
2. Excessive dietary purines (organ meats, legumes, anchovies, etc).
3. Cytolytic treatment of malignancies especially leukemias & lymphomas.
4. Polycythemia vera & myeloid metaplasia.
5. Psoriasis.
6. Sickle cell anaemia etc.

##### (B).DUE TO DECREASED EXCRETION (BY KIDNEYS)

1. Alcohol ingestion.
2. Thiazide diuretics.
3. Lactic acidosis.
4. Aspirin ingestion (less than 2 grams per day ).
5. Diabetic ketoacidosis or starvation.
6. Renal failure due to any cause etc.

#### DECREASED:-

##### (A).DUE TO DIETARY DEFICIENCY

1. Dietary deficiency of Zinc, Iron and molybdenum.
2. Fanconi syndrome & Wilsons disease.
3. Multiple sclerosis .
4. Syndrome of inappropriate antidiuretic hormone (SIADH) secretion & low purine diet etc.

##### (B).DUE TO INCREASED EXCRETION

1. Drugs:- Probenecid , sulphinpyrazone, aspirin doses (more than 4 grams per day), corticosteroids and ACTH, anti-coagulants and estrogens etc.

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





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