



# P K R JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

**A PIONEER DIAGNOSTIC CENTRE**

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

|                |  |                   |                        |
|----------------|--|-------------------|------------------------|
| NAME           | : Mr. YASH                                     | PATIENT ID        | : 1474125              |
| AGE/ GENDER    | : 15 YRS/MALE                                  | REG. NO./LAB NO.  | : 122410220012         |
| COLLECTED BY   | :  | REGISTRATION DATE | : 22/Oct/2024 12:17 PM |
| REFERRED BY    | :  | COLLECTION DATE   | : 22/Oct/2024 12:20PM  |
| BARCODE NO.    | : 12505291                                     | REPORTING DATE    | : 22/Oct/2024 01:04PM  |
| CLIENT CODE.   | : P.K.R JAIN HEALTHCARE INSTITUTE              |                   |                        |
| CLIENT ADDRESS | : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA |                   |                        |

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

## HAEMATOLOGY

### HAEMOGLOBIN (HB)

|                  |      |       |             |
|------------------|------|-------|-------------|
| HAEMOGLOBIN (HB) | 14.2 | gm/dL | 12.0 - 17.0 |
|------------------|------|-------|-------------|

by CALORIMETRIC

#### INTERPRETATION:-

Hemoglobin is the protein molecule in red blood cells that carries oxygen from the lungs to the bodys 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 erythropoetin (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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### CLINICAL CHEMISTRY/BIOCHEMISTRY


#### BILIRUBIN COMPLETE

|   |      |       |   |
|---|------|-------|---|
| BILIRUBIN TOTAL: SERUM<br><i>by DIAZOTIZATION, SPECTROPHOTOMETRY</i>                | 0.95 | mg/dL | INFANT: 0.20 - 8.00<br>ADULT: 0.00 - 1.20 |
| BILIRUBIN DIRECT (CONJUGATED): SERUM<br><i>by DIAZO MODIFIED, SPECTROPHOTOMETRY</i> | 0.23 | mg/dL | 0.00 - 0.40                               |
| BILIRUBIN INDIRECT (UNCONJUGATED): SERUM<br><i>by CALCULATED, SPECTROPHOTOMETRY</i> | 0.72 | mg/dL | 0.10 - 1.00                               |

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



  
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