



**Yash M. Patel**

Age : 21 Years

Sex : Male

PID : 555



**Sample Collected At:**

125, Shivam Bungalow, S G Road,  
Mumbai

Ref. By: **Dr. Hiren Shah**



Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

## RED BLOOD CELL (RBC) COUNT

Investigation	Result	Reference Value	Unit
Primary Sample Type :	Blood		
<b>RBC COUNT</b>			
Total RBC count	5.2	4.5 - 5.5	mill/cumm

### Comments :

- RBC test measures the number of red blood cells in a blood sample.
- It is a common blood test used to evaluate overall health and diagnose certain medical conditions.
- RBC count provides information about oxygen-carrying capacity and blood cell production.

### Low RBC Count Causes :

- Anemia - Iron deficiency, chronic diseases
- Bleeding - Trauma, ulcers, heavy menstruation
- Bone marrow disorders - Leukemia, myelodysplastic syndrome
- Nutritional deficiencies - Vitamin B12 or folate deficiency
- Kidney disease - Decreased erythropoietin production
- Medications - Chemotherapy, certain medications

### High RBC Count Causes :

- Polycythemia - Increased production of red blood cells
- Dehydration - Concentration of red blood cells due to fluid loss
- Lung diseases - Chronic obstructive pulmonary disease (COPD)
- Kidney disease - Increased production of erythropoietin
- Certain medications - Steroids, diuretics

**Instruments:** Fully automated cell counter - Mindray 300

Thanks for Reference

\*\*\*\*End of Report\*\*\*\*

**Medical Lab Technician**

(DMLT, BMLT)

**Dr. Payal Shah**

(MD, Pathologist)

**Dr. Vimal Shah**

(MD, Pathologist)

