105-108, SMART VISION COMPLEX, HEALTHCARE ROAD, OPPOSITE HEALTHCARE COMPLEX. MUMBAI - 689578

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## 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

# Mean Corpuscular Hemoglobin (MCH)

Investigation	Result	Reference Value	Unit
Primary Sample Type :	Blood		
Mean Corpuscular Hemoglobin (MCH)	29.8	27.0 - 32.0	pg

#### Comments:

• The Mean Corpuscular Hemoglobin (MCH) blood test measures the average amount of hemoglobin in each red blood cell. It provides information about the oxygen-carrying capacity of the blood cells.

#### Low MCH Causes:

- · Microcytic anemia A type of anemia characterized by smaller than normal red blood cells, which contain less hemoglobin and can result in low MCH levels
- · Lead poisoning Exposure to high levels of lead can affect the production of hemoglobin and lead to low MCH
- Chronic inflammatory conditions Conditions such as rheumatoid arthritis or inflammatory bowel disease can interfere with red blood cell production and result in low MCH levels

### **High MCH Causes:**

- · Macrocytic anemia A type of anemia characterized by larger than normal red blood cells, which contain more hemoglobin and can result in high MCH levels
- · Vitamin B12 or folate deficiency Deficiencies in these essential nutrients can lead to abnormal red blood cell development and result in high MCH levels
- Hypothyroidism An underactive thyroid gland can affect red blood cell production and lead to high MCH levels
- · Hemoglobinopathies (abnormal hemoglobin) Certain inherited blood disorders, such as sickle cell disease, can cause abnormal hemoglobin production and result in high MCH levels
- Chronic obstructive pulmonary disease (COPD) This respiratory condition can cause low oxygen levels in the blood, leading to increased red blood cell production and high MCH levels

Thanks for Reference

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

**Medical Lab Technician** 

(DMLT, BMLT)

Dr. Payal Shah (MD, Pathologist)

Dr. Vimal Shah (MD, Pathologist)

Generated on: 02 Dec, 202X 05:00 PM

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