DRLOGY PATHOLOGY LAB

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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) Calculated	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 levels
- 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)