



Labsmart Software Sample Letterhead

+91 12345 67890

yourlabname@gmail.com

<https://www.yourlabname.in/>**Mr. Saubhik Bhaumik**

Age / Sex : 27 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1043



1043

Registered on : 08/11/2024 12:28 PM
Collected on : 08/11/2024
Received on : 08/11/2024
Reported on : 08/11/2024 12:29 PM

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**BIOCHEMISTRY**

TEST	VALUE	UNIT	REFERENCE
TOTAL CHOLESTEROL	180	mg/dl	125 - 200

Desirable: <200 mg/dL [<5.2 mmol/L]
Borderline: 200–239 mg/ dL [5.2–6.1 mmol/L]
High risk: >240 mg/dL [>6.2 mmol/L]

Physiological basis

Cholesterol level is determined by lipid metabolism, which is in turn influenced by heredity, diet, and liver, kidney, thyroid, and other endocrine organ functions.

Interpretation

Increased in: Primary disorders: polygenic hypercholesterolemia, familial hypercholesterolemia (deficiency of LDL receptors), familial combined hyperlipidemia, familial dysbetalipoproteinemia. Secondary disorders: hypothyroidism, uncontrolled diabetes mellitus, nephrotic syndrome, biliary obstruction, anorexia nervosa, hepatocellular carcinoma, Cushing syndrome, acute intermittent porphyria. Drugs: corticosteroids.

Decreased in: Severe liver disease (acute hepatitis, cirrhosis, malignancy), hyperthyroidism, severe acute or chronic illness, malnutrition, malabsorption (eg, HIV), extensive burns, familial (Gaucher disease, Tangier disease), abetalipoproteinemia, intestinal lymphangiectasia.

Comments

Coronary heart disease (CHD) risk depends on the ratio of total cholesterol to HDL cholesterol. The ratio of LDL to HDL cholesterol has similar predictive ability. Treatment decisions should be based on absolute CHD risk. The risk reduction is proportional to the reduction in LDL cholesterol achieved with treatment.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

NOT VALID FOR MEDICO LEGAL PURPOSE

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.