



# 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. : 1007



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**BIOCHEMISTRY****LIPID PROFILE**

TEST	VALUE	UNIT	REFERENCE
TOTAL CHOLESTEROL	180	mg/dl	125 - 200
TRIGLYCERIDES	172	mg/dl	25 - 200
HDL CHOLESTEROL	55	mg/dl	35 - 80
LDL CHOLESTEROL	90.60	mg/dl	85 - 130
VLDL CHOLESTEROL	34.40	mg/dl	5 - 40
LDL / HDL	1.65		1.5 - 3.5
<b>TOTAL CHOLESTEROL / HDL</b>	<b>L 3.27</b>		<b>3.5 - 5</b>
TG / HDL	3.13		
NON-HDL CHOLESTEROL	125.00		

Abnormalities of lipids are associated with increased risk of coronary artery disease (CAD) in patients with DM. This risk can be reduced by intensive treatment of lipid abnormalities. The usual pattern of lipid abnormalities in type 2 DM is elevated triglycerides, decreased HDL cholesterol and higher proportion of small, dense LDL particles. Cholesterol is a lipid found in all cell membranes and in blood plasma. It is an essential component of the cell membranes, and is necessary for synthesis of steroid hormones, and for the formation of bile acids. Cholesterol is synthesized by the liver and many other organs, and is also ingested in the diet. Triglycerides are lipids in which three long-chain fatty acids are attached to glycerol. They are present in dietary fat and also synthesized by liver and adipose tissue.

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by Lipid Association of India in 2020.

Risk Category	Treatment Goal		Consider Therapy	
	LDL Cholesterol (LDL-C) (Mg/dl)	Non-HDL Cholesterol (Non HDL-C) (Mg/dl)	LDL cholesterol (LDL-C) (Mg/dl)	Non- HDL Cholesterol (Non HDL-C) (Mg/dl)
Extreme Risk Group Category A	< 50 (Optional Goal<=30)	<80 (Optional Goal<=60)	>=50	>=80
Extreme Risk Group Category A	<=30	<=60	>30	>60
Very High	<50	<80	>=50	>=80
High	<70	<100	>=70	>=100

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.



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Moderate	<100	<130	>=100	>=130
Low	<100	<130	>=130*	>=160*

\*In low risk patient, consider therapy after an initial non-pharmacological intervention for at least 3 months.

~~~ End of report ~~~

Sachin  
SAMPLE

**Mr. Sachin Sharma**  
DMLT, Lab Incharge

AK Asthana  
SAMPLE

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