

Patient Name	: Mr.Dummy	Collected	: 08/Jul/2026 10:14AM
Age/Gender	: 44 Y 0 M 0 D /F	Received	: 08/Jul/2026 10:25AM
UHID/MR No	: Dummy.0000000	Reported	: 08/Jul/2026 10:58AM
Visit ID	: Dummy101	Status	: Final Report
Ref Doctor	: Dr.SELF	Client Name	: NRL HYDERABAD LAB
IP/OP NO	:	Patient location	: Dummy Location

DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Unit	Bio. Ref. Interval	Method
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LIPID PROFILE , SERUM

TOTAL CHOLESTEROL	212	mg/dL	< 200	CHE/CHO/POD
TRIGLYCERIDES	466	mg/dL	<150	Enzymatic
HDL CHOLESTEROL	26	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	186	mg/dL	<130	Calculated
LDL CHOLESTEROL	92.8	mg/dL	<100	Calculated (Friedewald)
VLDL CHOLESTEROL	93.2	mg/dL	<30	Calculated
CHOL / HDL RATIO	8.15		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.890		<0.11	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

Below Table as per Lipid Association of India (LAI) (2023) and Cardiological Society of India (CSI) (2024) Guidelines and Consensus Statements for Dyslipidemia Management:

	Low Risk	Moderate Risk	High Risk	Very High Risk	Extremely High Risk
Total Cholesterol	< 200	< 200	200 – 239	≥ 240	≥ 240
Triglycerides	<150	< 150	150 – 199	200 – 499	≥ 500
LDL	< 100	100 – 129	130 – 159 Target for High Risk: < 70	160 – 189 Target for Very High Risk: < 50	≥ 190 Target for Extreme Risk – Category A,B :< 30,Category C: 10 – 15
HDL	≥ 60	≥ 60	M: <40, F: <50	<30	<30
Non-HDL Cholesterol	< 130	130 – 159	160-189 Target for High Risk: < 100	190 – 219 Target for Very High Risk: < 80	≥220 Target for Extreme Risk – Category A,B :< 60, Category C: 40 – 45

Note: **Low risk** – No known risk factor of cardiovascular disease. **Moderate risk** – Any one risk factor, eg: smoking/hypertension/diabetes mellitus etc. **High risk** – Two or more risk factors without any disease manifestation, chronic kidney disease, long-standing diabetes mellitus existing for >10 years, history of heterozygous familial hypercholesterolemia.

Very high risk – clinical evidence of coronary artery disease, long-standing diabetes mellitus existing for >20 years, etc. **Extremely high risk** – recurrent vascular events.

(Category A- CAD with >1 feature of High risk group, Category B- CAD with >1 feature of very high risk group or poly-vascular disease, Category C- Recurrent CAD with other significant risk factors as high lipoprotein a, extensive coronary calcium)

1. Measurements for Lipids (Especially Triglycerides) can show physiological (Dependent on diet,10-12 hrs fasting pre-test condition) & analytical variations.

2. Lipid Association of India (LAI) recommends screening of all adults (>20 yrs) for Atherosclerotic Cardiovascular Disease (ASCVD) risk factors with lipid profile testing.

The association recommends testing also to include Apolipoprotein B & Lipoprotein (a) for stratification and defining LDL – C targets.

*** End Of Report ***