

Client
Gurugram
 Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhayog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhayog Vihar Ph-IV, Gurugram - 122015

Name	: Mr. PL21	Billing Date	: 07/07/2023 12:31:55
Age	: 35 Yrs	Sample Collected on	: 10/07/2023 10:01:31
Sex	: Male	Sample Received on	: 10/07/2023 11:02:13
P. ID No.	: P1000100012943	Report Released on	: 14/07/2023 20:35:39
Accession No	: 10002304999	Barcode No.	: 10002304999-01
Referring Doctor	: Self		
Referred By	:	Ref no.	:

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
-----------	--------	--------------------------	------

BIOCHEMISTRY

Lipid Screen

Method: Sample: Serum

Total Cholesterol 253 H Desirable Level : < 200 mg/dL
 Sample: Serum
 Method: Spectrophotometry-Esterase/CO/Peroxidase
 Borderline : 200 - 239
 High Risk : >= 240

Triglycerides 136 Desirable : < 150 mg/dL
 Sample: Serum
 Method: Spectrophotometry-Enzymatic
 Borderline High : 150 - 199
 High : 200 - 499
 Very High : >= 500

LDL Cholesterol (Calculated) 65 Optimal : <100 mg/dL
 Sample: Serum
 Method: Calculated
 Near Optimal : 100 - 129
 Borderline High : 130 - 160
 High : 161 - 189
 Very High : >=190

HDL Cholesterol 69 H Low : < 40 mg/dL
 Sample: Serum
 Method: Spectrophotometry-Esterase/CO/Peroxidase
 Optimal : 40 - 60
 High : > 60

VLDL Cholesterol 27.2 Desirable 10 - 35 mg/dL
 Sample: Serum
 Method: Calculated

Total Cholesterol / HDL Ratio 3.67 Low Risk : 3.3 - 4.4
 Sample: Serum
 Method: Calculated
 Average Risk : 4.5 - 7.0
 Moderate Risk : 7.1 - 11.0
 High Risk : > 11.0

LDL / HDL Ratio 0.9 0.5 - 3.0
 Sample: Serum
 Method: Calculated

Low Risk : 0.5 - 3.0
 Moderate Risk : 3.1 - 6.0

10002304999 Mr. PL21



Client
Gurugram
 Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name : Mr. PL21	Billing Date : 07/07/2023 12:31:55
Age : 35 Yrs	Sample Collected on : 10/07/2023 10:01:31
Sex : Male	Sample Received on : 10/07/2023 11:02:13
P. ID No. : P1000100012943	Report Released on : 14/07/2023 20:35:39
Accession No : 10002304999	Barcode No. : 10002304999-01
Referring Doctor : Self	
Referred By :	Ref no. :

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
		High Risk : > 6.0	

Total Cholesterol

Clinical Significance :

Serum cholesterol is elevated in hereditary hyperlipoproteinemias and in other metabolic diseases. Moderate-to-markedly elevated values are also seen in cholestatic liver disease. Increased levels are a risk factor for cardiovascular disease. Low levels of cholesterol may be seen in disorders like hyperthyroidism, malabsorption, and deficiencies of apolipoproteins.

Triglycerides

Clinical Significance :

Triglycerides are partly synthesized in the liver and partly derived from the diet. Increased serum triglyceride levels are a risk factor for atherosclerosis. Hyperlipidemia may be inherited or may be due to conditions like biliary obstruction, diabetes mellitus, nephrotic syndrome, renal failure, certain metabolic disorders or drug induced.

HDL Cholesterol

Clinical Significance :

High-density lipoprotein (HDL) is an important tool used to assess risk of developing coronary heart disease. Increased levels are seen in persons with more physical activity. Very high levels are seen in case of metabolic response to medications like hormone replacement therapy. Raised levels are also seen in case of chronic intoxication with alcohol, heavy metals or industrial chemicals. Low HDL cholesterol correlates with increased risk for coronary heart disease (CHD). Very low levels are seen in Tangier disease, cholestatic liver disease and in association with decreased hepatocyte function.

Lipid Screen

Proposed LDL-C goals in very high risk and extreme risk group patients by the Lipid Association of India.

Very High Risk group (VHRG)	Extreme Risk group	
	Category A	Category B
LDL-C goal of <50 mg/dl	LDL-C goal of <50 mg/dl (recommended) LDL-C goal of ≤30 mg/dl (optional)	LDL-C goal of ≤30 mg/dl



Client
Gurugram

Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.

Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name	: Mr. PL21	Billing Date	: 07/07/2023 12:31:55
Age	: 35 Yrs	Sample Collected on	: 10/07/2023 10:01:31
Sex	: Male	Sample Received on	: 10/07/2023 11:02:13
P. ID No.	: P1000100012943	Report Released on	: 14/07/2023 20:35:39
Accession No	: 10002304999	Barcode No.	: 10002304999-01
Referring Doctor	: Self		
Referred By	:	Ref no.	:

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
High-risk conditions Any one of following: 1. ASCVD (CAD/PAD/TIA or stroke) 2. Homozygous familial 3. hypercholesterolemia 4. Diabetes with ≥ 2 major ASCVD risk factors*/target organ damage	CAD with ≥ 1 of following: 1. Diabetes without target organ damage/ ≤ 1 major 2. ASCVD risk factors 3. Familial hypercholesterolemia 4. ≥ 3 major ASCVD risk factors 5. CKD stage 3B and 4 6. ≥ 2 major ASCVD risk factors with ≥ 1 moderate 7. non-conventional risk factor# 8. Lp(a) ≥ 50 mg/dl 9. Coronary calcium score ≥ 300 HU 10. Extreme of a single risk factor 11. PAD 12. H/o TIA or stroke 13. Non-stenotic carotid plaque	CAD with ≥ 1 of following: 1. Diabetes + polyvascular disease/ ≥ 2 2. major ASCVD risk factors*/target organ 3. damage 4. Recurrent ACS (within 12 months) 5. despite on LDL-C goal 6. Homozygous familial 7. Hypercholesterolemia	

 The LDL-C goal of ≤ 30 mg/dl must be pursued after detailed risk-benefit discussion between physician and patient.

Clinical judgment to be used in decision making if the patient has disease/risk factors not covered in the table, eg. peripheral arterial disease or cerebrovascular disease.

 *Major ASCVD risk factors: 1. Age- male ≥ 45 years, female ≥ 55 years, 2. Family h/o premature CAD- male < 55 years, female < 65 years, 3. Smoking/tobacco use, 4. Systemic hypertension, 5. Low HDL (males < 40 mg/dl and females < 50 mg/dl).

 #Moderate non-conventional risk factors: 1. Coronary calcium score 100-299 HU, 2. Increased carotid intima-media thickness, 3. Lp(a) $\geq 20-49$

** End of Report**


Dr. Aarti Khanna Nagpal

 DNB (Pathology)
 Senior Consultant

NATIONAL REFERENCE LAB
PATHKIND DIAGNOSTICS PVT. LTD.

 Plot No. 55-56, Udyog Vihar, Phase-4, Gurugram
 care@pathkindlabs.com | www.pathkindlabs.com
 Customer Care: 75000-75111

10002304999 Mr. PL21

Page No: 3 of 3

जांच सही तो इलाज सही

