

Patient Name : Anil Prasad
Age / Sex : 50 Y / M
Referred By : SELF
Centre : BTC KHANPUR

Lab No : KHN24101507
Registration On : 30-Oct-24 07:56
Patient ID : UYSF.0000035083

Lipid Profile

Serum Sample

Accession No: CL02313165 **Collected On:** 30-Oct-24 07:56 **Received On:** 30-Oct-24 12:04 **Approved On:** 30-Oct-24 14:12

Observation	Result	Unit	Biological Ref. Interval	Method
Total Cholesterol	143	mg/dL	<200	Enzymatic (CHE/CHO/POD)
Triglyceride	68	mg/dL	<150	Enzymatic, Endpoint
HDL Cholesterol	51	mg/dL	>45	Direct Measure, PTA / MgCl ₂
VLDL Cholesterol	14	mg/dL	5-40	Calculated
LDL Cholesterol	78	mg/dL	<100	Friedewald Formula (Calculated)
Non-HDL Cholesterol	92	mg/dL	<130	Calculated
LDL / HDL Ratio	1.53	Ratio	1.5-3.5	Calculated
TC / HDL Ratio	2.8	Ratio	3-5	Calculated

Clinical Decision Limits*	Optimal	Above Optimal	Borderline High	High	Very High
Triglycerides	<150	-	150-199	200-499	>=500
Total Cholesterol	<200	200-239	-	>=239	-
LDL Cholesterol	<100	100-129	130-159	160-189	>=189
HDL Cholesterol	>45	-	40-45	<40	-
Non HDL Cholesterol**	<130	130 - 159	160 - 189	190 - 219	>=220

* Clinical Decision Limits are suggested from Tietz Fundamentals Of Clinical Chemistry And Molecular Diagnostics 8th Edition

** Suggested from National Lipid Association Recommendations for Patient Centered Management of Dyslipidemia: Part 1—Full Report (Volume 9, Issue 2, P129-169, March 01, 2015, Terry A. Jacobson, MD et al.

Analyzer: Fully Automated Integrated Biochemistry and ImmunoAssay Analyzer: VITROS 5600
Technology: Dry Chemistry (VITROS MicroSlide, MicroSensor & Intellicheck Technology)

Reports of Lipid Profile are best obtained with 10 hours fasting.

Clinical Significance:

- Triglyceride: Very high levels of Triglyceride can be indicative of a significantly higher risk of coronary vascular disease. Elevation of triglyceride can be seen with fasting less than 12 hours, obesity medication, alcohol intake, diabetes mellitus or pancreatitis.
- Total Cholesterol: its fractions and triglycerides are the important plasma lipids identifying cardiovascular risk factor and in the management of cardiovascular disease. Values above 220 mg/dl are associated with increased risk of CHD regardless of HDL & LDL value.
- HDL - Cholesterol: Low levels of HDL are associated with an increased risk of coronary vascular disease even in the face of desirable levels of Cholesterol and LDL-Cholesterol
- LDL - Cholesterol: levels can be strikingly altered by thyroid, renal and liver disease as well as hereditary factors. In case Triglyceride levels are more than 400 mg/dl, the patient is advised for a direct-LDL Cholesterol test.

Remarks: Please correlate results clinically.

Dr. Amita Gupta

Consultant – Pathologist
M.B.B.S., M.D. (Pathology)
DMC Reg. No.: 91678

Amita Gupta

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

Scan to Validate



Conditions Of Reporting

- ▶ The report results are for information and interpretation for your referring doctor. Reports are to be correlated with the patient's clinical history.
- ▶ Biological Reference Range/Interval is suggested for your Gender and Age on the basis of available literature. All reference ranges are to be reconsidered by physician's advice for your specific care.
- ▶ This Medical Report is a professional opinion, not a diagnosis.
- ▶ The report will carry the name and age provided at the time of registration. To maintain confidentiality, certain reports may not be e-mailed at the discretion of the management.
- ▶ All the notes and interpretation beneath the pathology result in the report provided are for educational purpose only. It is not intended to be a substitute for physician's consultation.
- ▶ Results of tests may vary from laboratory to laboratory and in some parameters from time to time for the same patients. Test results and reference range may also vary depending on the technology and methodology used. Laboratory test results may also vary depending on the age, sex, time of the day sample has been taken, diet, medication and limitation of modern technology.
- ▶ In case of any unexpected or alarming test results, please contact us immediately for re-confirmation, further discussion, clarifications and rectifications, if needed.
- ▶ In case of any discrepancy due to typing error, kindly get it rectified immediately.
- ▶ Neither HOD or its employees/representatives assume any liability or responsibility for any loss or damage that may be incurred by any person as a result of interpreting the meaning of this report.
- ▶ Test results are not valid for medico legal purposes.
- ▶ In case of any issues or suggestions about your test results, please email us on quality@houseofdiagnostics.com
- ▶ The courts (forums) at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the tests and the results of the tests. Our liability is limited to the amount of investigations booked with us.

DOC#COR20200707

Facilities Available

Radiology

- ▶ 3T MRI & 1.5T MRI
- ▶ CT Scan
- ▶ Digital X-Ray
- ▶ Mammography
- ▶ Open / Standing MRI
- ▶ Bone DEXA Scan

Pathology

- ▶ Biochemistry
- ▶ Immunoassay
- ▶ Hematology
- ▶ Clinical Pathology
- ▶ Serology
- ▶ Microbiology

Nuclear Medicine

- ▶ **India's First** Simultaneous PET-MRI
- ▶ Whole Body PET/CT Scan
- ▶ DTPA / DMSA Renal Scans
- ▶ Thyroid Scan
- ▶ Whole Body Bone Scan
- ▶ HIDA Scan • Rest MUGA

Cardiology Investigations

- ▶ ECG (Electrocardiogram)
- ▶ Echocardiography
- ▶ TMT
- ▶ Stress Echocardiography
- ▶ Stress Thallium

Neurology Investigations

- ▶ EEG - ElectroEncephaloGram
- ▶ EMG - ElectroMyoGraphy
- ▶ NCV - Nerve Conduction Velocity
- ▶ VEP - Visual Evoked Response
- ▶ SSEP

Dental Imaging

- ▶ CBCT - Cone Beam CT Scan
- ▶ OPG - OrthoPantomoGram

Other Tests

- ▶ PFT