MAYO CLINIC
Mayo Medical Laboratories

Test Definition: LPSC
Lipid Panel

Reporting Title: Lipid Panel
Performing Location: Rochester

Specimen Requirements:
Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Specimen Volume: 1 mL
Collection Instructions:
1. Fasting overnight (12 hours).
2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	30 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CHOL	Cholesterol, Total, S **Also used by tests: CHOL**	Numeric	mg/dL	2093-3
TRIG	Triglycerides, S **Also used by tests: TRIG**	Numeric	mg/dL	2571-8
HDCH	Cholesterol, HDL, S **Also used by tests: HDCH**	Numeric	mg/dL	2085-9
CLDL	Calculated LDL	Numeric	mg/dL	13457-7
NHDCH	Non HDL Cholesterol	Numeric	mg/dL	43396-1

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CHOL	Cholesterol, Total, S	1	82465	Yes	Yes
TRIG	Triglycerides, S	1	84478	Yes	Yes

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
HDCH	Cholesterol, HDL, S	1	83718	Yes	Yes
CLDL	Calculated LDL			Yes	No
NHDCH	Non HDL Cholesterol			Yes	No

Reference Values:

The National Cholesterol Education Program (NCEP) has set the following guidelines for lipids (total cholesterol, triglycerides, HDL, and LDL cholesterol) in adults ages 18 and up:

TOTAL CHOLESTEROL
Desirable: <200 mg/dL
Borderline high: 200-239 mg/dL
High: > or =240 mg/dL

TRIGLYCERIDES
Normal: <150 mg/dL
Borderline high: 150-199 mg/dL
High: 200-499 mg/dL
Very high: > or =500 mg/dL

HDL CHOLESTEROL
Low (removed HDL): <40 mg/dL
Normal: 40-60 mg/dL
High: >60 mg/dL

LDL CHOLESTEROL
Optimal: <100 mg/dL
Near Optimal: 100-129 mg/dL
Borderline high: 130-159 mg/dL
High: 160-189 mg/dL
Very high: > or =190 mg/dL

NON HDL CHOLESTEROL
Desirable: <130 mg/dL
Borderline high: 130-159 mg/dL
High: 160-189 mg/dL
Very high: > or =190 mg/dL

The National Cholesterol Education Program (NCEP) and National Health and Nutrition Examination Survey (NHANES) has set the following guidelines for lipids (total cholesterol, triglycerides, HDL, and LDL cholesterol) in children ages 2-17:

TOTAL CHOLESTEROL
Desirable: <170 mg/dL
Borderline high: 170 -199 mg/dL
High: > or =200 mg/dL

TRIGLYCERIDES
Normal: <90 mg/dL
Borderline high: 90-129 mg/dL
High: > or =130 mg/dL

HDL CHOLESTEROL
Low HDL: <40 mg/dL
Borderline low: 40-59 mg/dL
Normal: > or =60 mg/dL

LDL CHOLESTEROL
Desirable: <110 mg/dL
Borderline high: 110-129 mg/dL
High: > or =130 mg/dL