Test Definition: LPSC1

Lipid Panel, Serum

Reporting Title: Lipid Panel, S
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Specimen Requirements:

Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions:
1. Serum gel tube must be centrifuged within 2 hours of collection.
2. Red-top tube must be centrifuged and the serum aliquoted into a plastic vial within 2 hours of collection.

Forms:

If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:
-Kidney Transplant Test Request
-Renal Diagnostics Test Request (T830)

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

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
INTC1	RAWF	Fasting (8 HR or more), Raw	Answer List	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CHOL	Cholesterol, Total, S	Numeric	mg/dL	2093-3
HDCH	Cholesterol, HDL, S	Numeric	mg/dL	2085-9
NHDCH	Cholesterol, Non-HDL, Calculated, S	Numeric	mg/dL	43396-1
TRIG	Triglycerides, S	Numeric	mg/dL	2571-8
CLDL1	Cholesterol, LDL, Calculated, S	Numeric	mg/dL	13457-7
INTC1	Fasting (8 HR or more)	Alphanumeric		87527-8

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
CHOL	Cholesterol, Total, S	1	82465	Yes	Yes
TRIG	Triglycerides, S	1	84478	Yes	Yes, (Order TRIG1)
HDCH	Cholesterol, HDL, S	1	83718	Yes	Yes
CLDL1	Cholesterol, LDL, Calculated, S			Yes	No
NHDCH	Cholesterol, Non-HDL, Calculated, S			Yes	No
INTC1	Fasting (8 HR or more)			Yes	No

CPT Code Information:

80061-Lipid panel (if all 3 performed)
82465-Cholesterol, total (if all 3 are not performed)
84478-Triglycerides (if all 3 are not performed)
83718-Cholesterol, HDL (if all 3 are not performed)

Reference Values:

The National Lipid Association and the National Cholesterol Education Program have set the following guidelines for lipids in a context of cardiovascular risk for adults 18 years and older:

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

HIGH DENSITY LIPOPROTEIN (HDL) CHOLESTEROL
Males
> or =40 mg/dL
Females
> or =50 mg/dL

LOW DENSITY LIPOPROTEIN (LDL) CHOLESTEROL
Desirable: <100 mg/dL
Above Desirable: 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
Above Desirable: 130-159 mg/dL

Borderline High: 160-189 mg/dL
High: 190-219 mg/dL
Very High: > or =220 mg/dL

The Expert Panel on Integrated Guidelines for Cardiovascular Health and Risk Reduction in Children and Adolescents has set the following guidelines for lipids in a context of cardiovascular risk for children ages 2-17:
Reference values have not been established for patients who are younger than 24 months.

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

TRIGLYCERIDES
2-9 years:
Acceptable: <75 mg/dL
Borderline High: 75-99 mg/dL
High: > or =100mg/dL

10-17 years:
Acceptable: <90 mg/dL
Borderline High: 90-129 mg/dL
High: > or =130 mg/dL

HDL CHOLESTEROL
Low HDL: <40 mg/dL
Borderline Low: 40-45 mg/dL
Acceptable: >45 mg/dL

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

NON-HDL CHOLESTEROL
Acceptable: <120 mg/dL
Borderline High: 120-144 mg/dL
High: > or =145 mg/dL