

Reporting Title: NMR Lipoprotein Profile, S  
Performing Location: Rochester

Specimen Requirements:

Patient Preparation:

- 1. **Fasting overnight** (12-14 hours) **is required**. On night before examination, evening meal should be eaten before 6 p.m. and should contain no fatty foods.
- 2. Patient must not consume any alcohol for 24 hours before the specimen is collected.

Collection Container/Tube: Red top (serum gel/SST are **not acceptable**)

Submission Container/Tube: Plastic vial

Specimen Volume: 1.5 mL

Collection Instructions:

- 1. Allow isopropyl alcohol (from phlebotomy site prep) to dry thoroughly before venipuncture.
- 2. Centrifuge and aliquot serum into a plastic vial.

Forms:

If not ordering electronically, complete, print, and send a [Cardiovascular Test Request Form](#) (T724) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum Red	Refrigerated (preferred)	7 days	
	Frozen	14 days	
	Ambient	8 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
606167	LDL Particles, S	Alphanumeric	nmol/L	54434-6
606168	HDL Particles, S	Alphanumeric	mcmol/L	49748-7
606169	LDL Cholesterol (NMR), S	Alphanumeric	mg/dL	2089-1

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

Supplemental Report:

No

CPT Code Information:

83704

Reference Values:

> or =18 years:

LDL Particles:

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Desirable: <1,000 nmol/L  
Above Desirable: 1,000-1,299 nmol/L  
Borderline high: 1,300-1,599 nmol/L  
High: 1,600-2,000 nmol/L  
Very high: > or =2,000 nmol/L

HDL Particles:  
Male: >30 mcmol/L  
Female: >35 mcmol/L

LDL Cholesterol (NMR):  
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

Reference values have not been established for patients younger than 18 years of age.