MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: January 17, 2014
EFFECTIVE DATE: January 22, 2014

LDL AND HDL PARTICLE CONCENTRATION NMR, PLASMA
Test ID: NMRV

USEFUL FOR: Assessment and management of a patient's risk for cardiovascular disease and events.

METHODOLOGY: Nuclear Magnetic Resonance (NMR).

REFERENCE VALUES:
Adults > or =16 years

Total LDL Particle Concentration Adults (> or = 16 years)	**Small LDL Particle Concentration**	**Total HDL Particle Concentration**	**Large HDL Particle Concentration**
Optimal: <1000 nmol/L	Optimal: < 117 nmol/L	Low: < 26.7 mcmol/L	Low: < 3.1 mcmol/L
Near or above optimal: 1000-1299 nmol/L	Intermediate: 117-526 nmol/L	Intermediate: 26.7-34.9 mcmol/L	Intermediate: < 3.1-7.3 mcmol/L
Borderline High: 1300-1599 nmol/L	Borderline high: 527-839 nmol/L	Optimal: > 34.9 mcmol/L	Optimal: < 7.3 mcmol/L
High: 1600-2000 nmol/L	High: >839 nmol/L		
Very high: >2000 nmol/L			

Adolescents < or = 15 years

Total LDL Particle Concentration	**Small LDL Particle Concentration**	**Total HDL Particle Concentration**	**Large HDL Particle Concentration**
Not established	Not established	Not established	Not established

SPECIMEN REQUIREMENTS:
Container/Tube: Lavendar top (EDTA)
Specimen Volume: 1 mL plasma
Minimum Volume: 0.5 mL plasma

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Plasma EDTA	Refrigerated (preferred)	6 days
	Frozen	

CPT CODE:

- 83704-Quantitation of lipoprotein particle numbers and lipoprotein particle subclasses (eg, by nuclear magnetic resonance spectroscopy)

DAY(S) SET UP: Monday –Friday; Continuous **ANALYTIC TIME**: Same day/ Mon-Fri

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Dawn Keller, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710