

NMR Lipoprofile

Reporting Title: NMR Lipoprofile Performing Location: Liposcience, Inc.

Specimen Requirements:

Submit only one of the following specimens:

Serum

Draw blood in a plain, red-top tube(s) from a fasting patient. (Serum gel tube is not acceptable.) Allow serum to clot for about 30 minutes before centrifugation and send 2 mL of serum refrigerate.

Note: Specimen must be received at LipoScience within 6 days of collection.

Plasma

Draw blood in a lavender-top tube(s) from a fasting patient. Centrifuge immediately and send 2 mL EDTA plasma refrigerate.

Note: Specimen must be received at LipoScience within 6 days of collection.

Specimen Type	Temperature	Time
Varies	Refrigerated	6 days

Result Codes:

Result ID	Reporting Name	Туре	Unit	LOINC®
Z2215	HDL-P (total)	Alphanumeric	umol/L	In Process
Z2216	Small LDL-P	Alphanumeric	nmol/L	In Process
Z2217	LDL Size	Alphanumeric	nm	In Process
Z2218	Large VLDL-P	Alphanumeric	nmol/L	In Process
Z2219	Small LDL-P	Alphanumeric	nmol/L	In Process
Z2220	Large HDL-P	Alphanumeric	umol/L	In Process
Z2221	VLDL Size	Alphanumeric	nm	In Process
Z2222	LDL Size	Alphanumeric	nm	In Process
Z2223	HDL Size	Alphanumeric	nm	In Process
Z2224	LP-IR Score (0-100)	Alphanumeric		In Process
Z2225	LDL-P (LDL Particle Number)	Alphanumeric	nmol/L	In Process
Z2226	LDL-C (calculated)	Alphanumeric	mg/dL	In Process
Z2227	HDL-C	Alphanumeric	mg/dL	In Process

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Result ID	Reporting Name	Туре	Unit	LOINC®
Z2228	Triglycerides	Alphanumeric	mg/dL	In Process
Z2229	Total Cholesterol	Alphanumeric	mg/dL	In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	ASSAY BLD/SERUM CHOLESTEROL	1	82465		
Billing only	ASSAY OF LIPOPROTEIN	1	83718		
Billing only	ASSAY OF TRIGLYCERIDES	1	84478		
FCVDR	Cardiovascular Disease Risk			Yes	No
FIRDR	Insulin Resistance/Diabetes Risk			Yes	No
FIRS	Insulin Resistance Score			Yes	No
FNMRL	NMR Lipoprotein Test	1	83704	Yes	No
FLPDS	Lipids		Profile	Yes	No

Reference Values:

Cardiovascular Disease Risk HDL-P (total)____ umol/L Low Risk: >34.9

Intermediate: 34.9-26.7 High Risk: <26.7

Small LDL-P____nmol/L

Low Risk: <117 Intermediate: 117-526 Borderline: 527-839 High Risk: >839

LDL Size____nm

Large (Pattern A): 23.0-20.6 Small (Pattern B): 20.5-18.0

Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.

Insulin Resistance and Diabetes Risk Large VLDL-P _____ nmol/L Insulin Sensitive: <0.9

Intermediate: 0.9-6.9



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	Insulin Resistant: >6.9
	Small LDL-P nmol/L Insulin Sensitive: <117 Intermediate: 117-526 Borderline: 527-839 Insulin Resistant: >839
	Large HDL-P umol/L Insulin Sensitive: >7.3 Intermediate: 7.3-3.1 Insulin Resistant: <3.1
	VLDL Size nm Insulin Sensitive: <42.4 Intermediate: 42.4-52.5 Insulin Resistant: >52.5
	LDL Size nm Insulin Sensitive: >21.2 Intermediate: 21.2-20.4 Insulin Resistant: <20.4
	HDL Size nm Insulin Sensitive: >9.6 Intermediate: 9.6-8.9 Insulin Resistant: <8.9
	Insulin Resistance Score LP-IR Score (0-100) Insulin Sensitive: <27 Intermediate: 27-63 Insulin Resistant: >63
a	The LP-IR Score combines the information from the above 6 markers to give improved assessment of insulin resistance and diabetes risk.
7	These laboratory assays, validated by LipoScience, have not been cleared by the US Food and Drug Administration. The clinical utility of the laboratory values has not been fully established.
	NMR Lipoprofile Test LDL- P (LDL Particle Number) nmol/L Low: <1000 Moderate: 1000-1299 Borderline-High: 1300-1599 High: 1600-2000 Very High: >2000
	Lipids LDL-C (calculated) mg/dL Optimal <100 Near or above optimal: 100-129



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Borderline-high: 130-159

High: 160-190 Very High: >190

HDL-C ____ mg/dL Desirable: > or =40

Triglycerides ____ mg/dL

Desirable: <150

Total Cholesterol ____ mg/dL

Desirable: <200

Test Performed by: LipoScience, Inc.

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