

Ordered Items: **NMR LipoProfile+Lipids+IR**

Date Collected:	Date Received:	Date Reported: 10/09/2022	Fasting: Yes
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NMR LipoProfile+Lipids+IR

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LDL Particle Number ⁰¹				
▲ LDL-P ^{A, 01}	1022 High		nmol/L	<1000
		Low	< 1000	
		Moderate	1000 - 1299	
		Borderline-High	1300 - 1599	
		High	1600 - 2000	
		Very High	> 2000	
Lipids ⁰¹				
LDL-C (NIH Calc) ⁰¹	93		mg/dL	0-99
		Optimal	< 100	
		Above optimal	100 - 129	
		Borderline	130 - 159	
		High	160 - 189	
		Very high	> 189	
HDL-C ^{A, 01}	63		mg/dL	>39
Triglycerides ^{A, 01}	44		mg/dL	0-149
Cholesterol, Total ^{A, 01}	165		mg/dL	100-199
LDL and HDL Particles ⁰¹				
HDL-P (Total) ^{A, 01}	34.0		umol/L	>=30.5
Small LDL-P ^{A, 01}	472		nmol/L	<=527
LDL Size ^{A, 01}	20.6		nm	>20.5

***** INTERPRETATIVE INFORMATION*****

PARTICLE CONCENTRATION AND SIZE

<--Lower CVD Risk Higher CVD Risk-->

LDL AND HDL PARTICLES	Percentile in Reference Population				
HDL-P (total)	High	75th	50th	25th	Low
	>34.9	34.9	30.5	26.7	<26.7
Small LDL-P	Low	25th	50th	75th	High
	<117	117	527	839	>839
LDL Size	<-Large (Pattern A)->		<-Small (Pattern B)->		
	23.0	20.6	20.5	19.0	

Comment: ⁰¹

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

Insulin Resistance/Diab. Risk ⁰¹				
Large VLDL-P ^{A, 01}	0.9		nmol/L	<=2.7
Small LDL-P ^{A, 01}	472		nmol/L	<=527
Large HDL-P ^{A, 01}	7.3		umol/L	>=4.8
VLDL Size ^{A, 01}	42.6		nm	<=46.6
▼ LDL Size ^{A, 01}	20.6 Low		nm	>=20.8
HDL Size ^{A, 01}	9.8		nm	>=9.2
Insulin Resistance Score ⁰¹				

NMR LipoProfile+Lipids+IR (Cont.)

LP-IR Score^{A, 01}

<25

<=45

INSULIN RESISTANCE / DIABETES RISK MARKERS					
		<--Insulin Sensitive		Insulin Resistant-->	
Percentile in Reference Population					
Large VLDL-P	Low	25th	50th	75th	High
		<0.9	0.9	2.7	6.9
Small LDL-P	Low	25th	50th	75th	High
		<117	117	527	839
Large HDL-P	High	75th	50th	25th	Low
		>7.3	7.3	4.8	3.1
VLDL Size	Small	25th	50th	75th	Large
		<42.4	42.4	46.6	52.5
LDL Size	Large	75th	50th	25th	Small
		>21.2	21.2	20.8	20.4
HDL Size	Large	75th	50th	25th	Small
		>9.6	9.6	9.2	8.9
Insulin Resistance Score					
LP-IR SCORE	Low	25th	50th	75th	High
		<27	27	45	63

Comment:⁰¹

LP-IR Score is inaccurate if patient is non-fasting.
 The LP-IR score is a laboratory developed index that has been associated with insulin resistance and diabetes risk and should be used as one component of a physician's clinical assessment.

Disclaimer

The Previous Result is listed for the most recent test performed by Labcorp in the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

Icon Legend

▲ Out of Reference Range ■ Critical or Alert