

Ordered Items: **NMR LipoProfile+Lipids+Graph; Venipuncture**

Date Collected:	Date Received:	Date Reported:	Fasting:
-----------------	----------------	----------------	----------

NMR LipoProfile+Lipids+Graph

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LDL Particle Number ⁰¹				
LDL-P ^{A, 01}	622		nmol/L	<1000
		Low Moderate Borderline-High High Very High	< 1000 1000 - 1299 1300 - 1599 1600 - 2000 > 2000	
Lipids ⁰¹				
LDL-C (NIH Calc) ⁰¹	45		mg/dL	0-99
		Optimal Above optimal Borderline High Very high	< 100 100 - 129 130 - 159 160 - 189 > 189	
HDL-C ^{A, 01}	44		mg/dL	>39
Triglycerides ^{A, 01}	55		mg/dL	0-149
Cholesterol, Total ^{A, 01}	102		mg/dL	100-199
LDL and HDL Particles ⁰¹				
HDL-P (Total) ^{A, 01}	32.4		umol/L	>=30.5
Small LDL-P ^{A, 01}	344		nmol/L	<=527
LDL Size ^{A, 01}	20.9		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 Score ⁰¹	
LP-IR Score ^{A, 01}	34
	INSULIN RESISTANCE MARKER
	<--Insulin Sensitive Insulin Resistant-->
	Percentile in Reference Population
Insulin Resistance Score	
LP-IR Score	Low 25th 50th 75th High
	<27 27 45 63 >63
Comment: ⁰¹	

NMR Lipoprofile+Lipids+Graph (Cont.)

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.

PDF ⁰¹	.
-------------------	---

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

Comments
A: This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

Performing Labs

Patient Details	Physician Details	Specimen Details
Phone: Date of Birth: Age: Sex: Patient ID: Alternate Patient ID:	Request A Test, LTD. 7027 Mill Road Suite 201, BRECKSVILLE, OH, 44141 Phone: 888-732-2348 Account Number: Physician ID: NPI:	Specimen ID: Control ID: Alternate Control Number: Date Collected: Date Received: Date Entered: Date Reported: Rte:

Specimen Number		Patient ID		Account Phone (440) 717-0440	Account Fax (440) 717-0440
Patient Last Name		Patient First Name		Request A Test, LTD. 7027 Mill Road Suite 201 BRECKSVILLE, OH 44141	
Age	Date of Birth	Sex	Fasting		
Control Number		NPI			
Date Collected	Date Entered	Date and Time Reported		Physician ID & Name	Page Number 1 of 2

❖ **NMR LipoProfile® test**

Reference Interval¹

	Percentile ¹	20th	50th	80th	95th	
	nmol/L	Low	Moderate	Borderline High	High	Very High
LDL-P (LDL Particle Number)	622	< 1000	1000 - 1299	1300 - 1599	1600 - 2000	> 2000

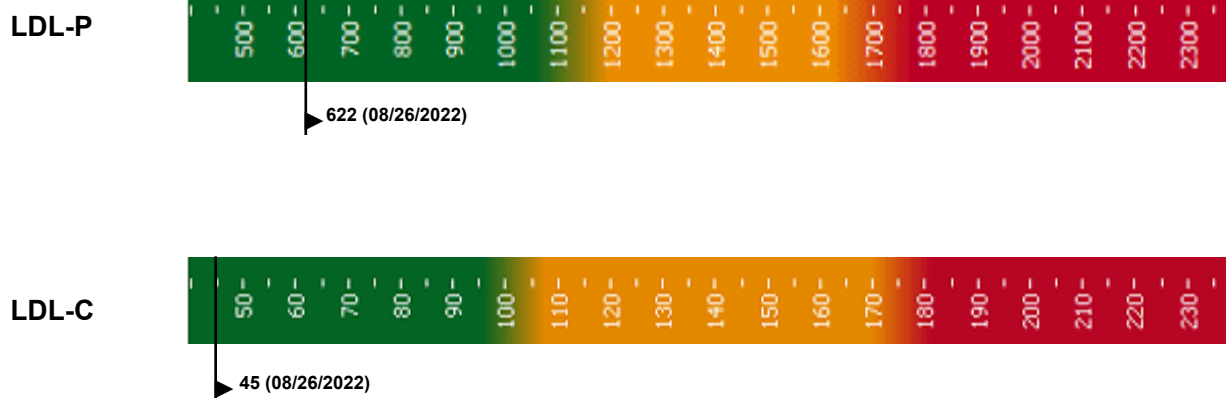
1. Reference population (5,362 men and women) not on lipid medication enrolled in the Multi-Ethnic Study of Atherosclerosis (MESA). Mora, et al. Atherosclerosis 2007.

❖ **Lipids**

	mg/dL	Optimal	Near or Above Optimal	Borderline High	High	Very High
LDL-C (calculated)	45	< 100	100 - 129	130 - 159	160 - 189	≥ 190

HDL-C	44	Triglycerides	55	Total Cholesterol	102
Desirable ≥ 40		Desirable < 150		Desirable < 200	

Historical Reporting

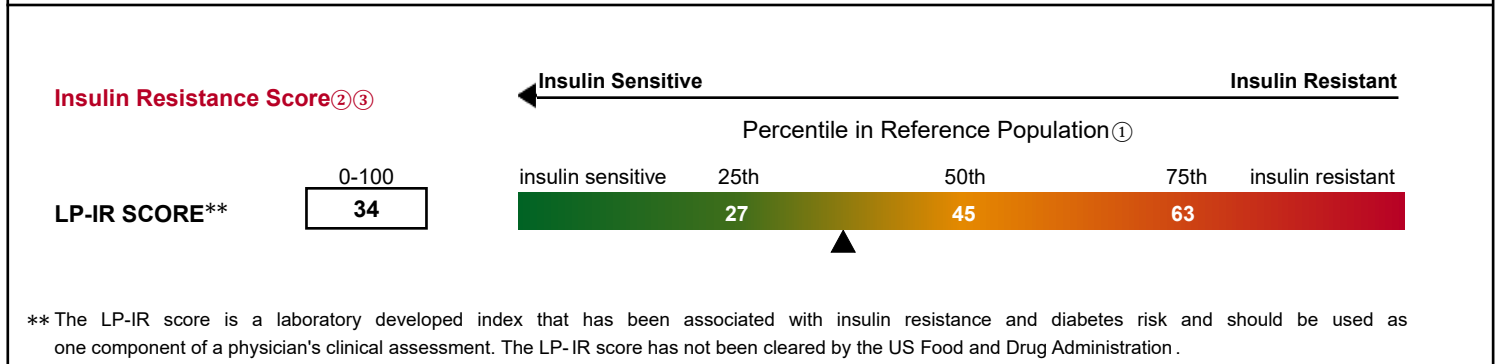
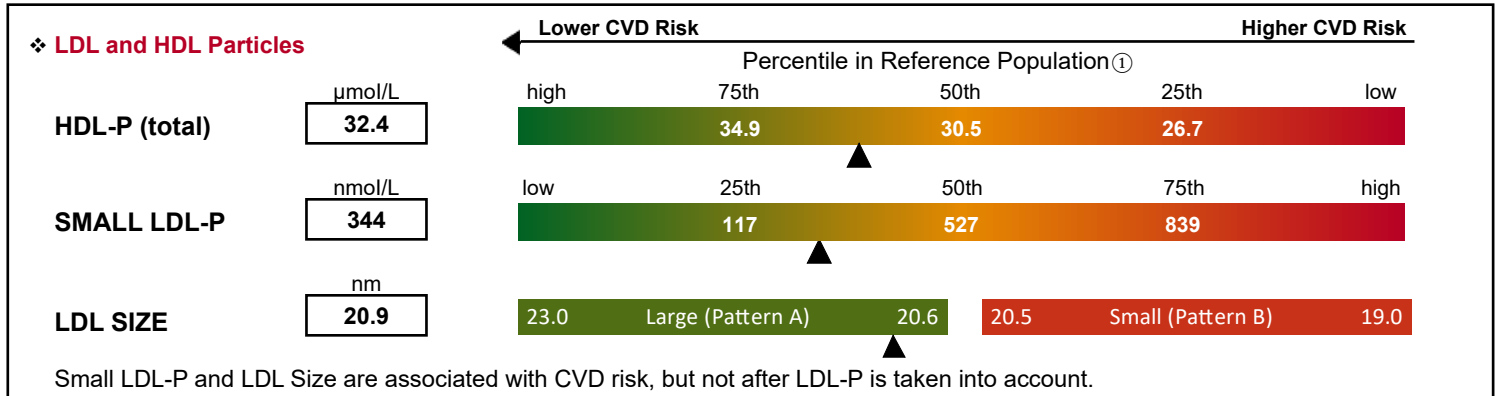


❖ This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the US Food and Drug Administration.

The NMR LipoProfile® test may be covered by one or more issued or pending patents, including U.S. Patent Nos. 6,518,069; 6,576,471; 6,653,140; and 7,243,030

Specimen Number		Patient ID		Account Number 34050260	Account Phone (440) 717-0440	Account Fax (440) 717-0440
Patient Last Name		Patient First Name		Account Address		
Age	Date of Birth	Sex	Fasting	Request A Test, LTD. 7027 Mill Road Suite 201 BRECKSVILLE, OH 44141		
Control Number		NPI				
Date Collected	Date Entered	Date and Time Reported		Physician ID & Name		Page Number 2 of 2

PARTICLE CONCENTRATION AND SIZE



Clinician Notes

❖ This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the US Food and Drug Administration.

① LipoScience reference population comprises 4,588 men and women without known CVD or diabetes and not on lipid medication.

② Shalaurova I et al., Metab Syndr Relat Disord 2014; 12:422-9.

③ Mackey RH et al., Diab Care 2015; 38:628-36.