



**Specimen Details**

**Date collected:** 03/15/2019 0813 Local  
**Date received:** 03/15/2019  
**Date entered:** 03/15/2019  
**Date reported:** 03/17/2019 1306 ET

**General Comments & Additional Information**

**Total Volume:** Not Provided

**Fasting:** Yes

**Ordered Items**

NMR LipoProfile; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Hemoglobin A1c; Cortisol; C-Reactive Protein, Cardiac; Insulin; Drawing Fee

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
<b>NMR LipoProfile</b>					
LDL Particle Number					01
LDL-P	985		nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	101	High	mg/dL	0 - 99	01
		Optimal		< 100	
		Above optimal		100 - 129	
		Borderline		130 - 159	
		High		160 - 189	
		Very high		> 189	
Comment:					01
LDL-C is inaccurate if patient is non-fasting.					
HDL-C	89		mg/dL	>39	01
Triglycerides	56		mg/dL	0 - 149	01
<b>Cholesterol, Total</b>	<b>201</b>	<b>High</b>	mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	35.9		umol/L	>=30.5	01
Small LDL-P	<90		nmol/L	<=527	01
LDL Size	21.1		nm	>20.5	01

**\*\* 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)->

Patient ID:

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	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.

These assays were developed and their performance characteristics determined by LipoScience. These assays have not been cleared by the US Food and Drug Administration. The clinical utility of these laboratory values have not been fully established.

Insulin Resistance Score 01

LP-IR Score <25 <=45 01

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

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. The LP-IR score listed above has not been cleared by the US Food and Drug Administration.

**CBC With Differential/Platelet**

WBC	4.1	x10E3/uL	3.4 - 10.8	02
RBC	4.25	x10E6/uL	3.77 - 5.28	02
Hemoglobin	12.3	g/dL	11.1 - 15.9	02
Hematocrit	37.0	%	34.0 - 46.6	02
MCV	87	fL	79 - 97	02
MCH	28.9	pg	26.6 - 33.0	02
MCHC	33.2	g/dL	31.5 - 35.7	02
RDW	14.2	%	12.3 - 15.4	02
Platelets	269	x10E3/uL	150 - 379	02
Neutrophils	61	%	Not Estab.	02
Lymphs	28	%	Not Estab.	02
Monocytes	7	%	Not Estab.	02
Eos	3	%	Not Estab.	02
Basos	1	%	Not Estab.	02
Neutrophils (Absolute)	2.5	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.1	x10E3/uL	0.7 - 3.1	02
Monocytes (Absolute)	0.3	x10E3/uL	0.1 - 0.9	02
Eos (Absolute)	0.1	x10E3/uL	0.0 - 0.4	02
Baso (Absolute)	0.0	x10E3/uL	0.0 - 0.2	02
Immature Granulocytes	0	%	Not Estab.	02

Patient ID:

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	02
<b>Comp. Metabolic Panel (14)</b>					
Glucose	75		mg/dL	65 - 99	02
BUN	10		mg/dL	6 - 24	02
Creatinine	0.70		mg/dL	0.57 - 1.00	02
eGFR If NonAfricn Am	101		mL/min/1.73	>59	
eGFR If Africn Am	117		mL/min/1.73	>59	
BUN/Creatinine Ratio	14			9 - 23	
Sodium	134		mmol/L	134 - 144	02
Potassium	4.1		mmol/L	3.5 - 5.2	02
<b>Chloride</b>	<b>94</b>	<b>Low</b>	mmol/L	96 - 106	02
Carbon Dioxide, Total	24		mmol/L	20 - 29	02
Calcium	9.0		mg/dL	8.7 - 10.2	02
Protein, Total	6.0		g/dL	6.0 - 8.5	02
Albumin	4.3		g/dL	3.5 - 5.5	02
Globulin, Total	1.7		g/dL	1.5 - 4.5	
<b>A/G Ratio</b>	<b>2.5</b>	<b>High</b>		1.2 - 2.2	
Bilirubin, Total	0.2		mg/dL	0.0 - 1.2	02
<b>Alkaline Phosphatase</b>	<b>34</b>	<b>Low</b>	IU/L	39 - 117	02
AST (SGOT)	14		IU/L	0 - 40	02
ALT (SGPT)	18		IU/L	0 - 32	02
<b>Lipid Panel</b>					
Cholesterol, Total	196		mg/dL	100 - 199	02
Triglycerides	52		mg/dL	0 - 149	02
HDL Cholesterol	88		mg/dL	>39	02
VLDL Cholesterol Cal	10		mg/dL	5 - 40	
LDL Cholesterol Calc	98		mg/dL	0 - 99	
<b>Hemoglobin A1c</b>					
Hemoglobin A1c	5.0		%	4.8 - 5.6	02
Please Note:					02
	Prediabetes: 5.7 - 6.4				
	Diabetes: >6.4				
	Glycemic control for adults with diabetes: <7.0				
<b>Cortisol</b>	15.5		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
<b>C-Reactive Protein, Cardiac</b>	0.74		mg/L	0.00 - 3.00	02
	Relative Risk for Future Cardiovascular Event				
			Low	<1.00	
			Average	1.00 - 3.00	

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TESTS	RESULT	FLAG	UNITS	REFERENCE	INTERVAL	LAB
			High		>3.00	
<b>Insulin</b>	<b>1.5</b>	<b>Low</b>	uIU/mL	2.6 - 24.9		02

01	BN	LabCorp Burlington 1447 York Court, Burlington, NC 27215-3361	Dir: Sanjai Nagendra, MD
02	DA	LabCorp Dallas 7777 Forest Ln Bldg C350, Dallas, TX 75230-2544	Dir: CN Etufugh, MD

For inquiries, the physician may contact **Branch: 888-522-2677 Lab: 800-762-4344**