

**Specimen Details**

**Date collected:** 12/15/2017 0826 Local  
**Date received:** 12/15/2017  
**Date entered:** 12/15/2017  
**Date reported:** 12/18/2017 0205 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; C-Reactive Protein, Cardiac; Insulin; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
<b>NMR LipoProfile</b>					
LDL Particle Number					01
<b>LDL-P</b>	<b>1142</b>	<b>High</b>	nmol/L	<1000	01
		<b>Low</b>		< 1000	
		<b>Moderate</b>		1000 - 1299	
		<b>Borderline-High</b>		1300 - 1599	
		<b>High</b>		1600 - 2000	
		<b>Very High</b>		> 2000	
Lipids					01
<b>LDL-C</b>	<b>101</b>	<b>High</b>	mg/dL	0 - 99	
		<b>Optimal</b>		< 100	
		<b>Above optimal</b>		100 - 129	
		<b>Borderline</b>		130 - 159	
		<b>High</b>		160 - 189	
		<b>Very high</b>		> 189	
Comment:					01
LDL-C is inaccurate if patient is non-fasting.					
HDL-C	46		mg/dL	>39	01
Triglycerides	113		mg/dL	0 - 149	01
Cholesterol, Total	170		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	31.7		umol/L	>=30.5	01
Small LDL-P	516		nmol/L	<=527	01
LDL Size	20.9		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:

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
	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** 82 High <=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	3.8	x10E3/uL	3.4 - 10.8	02
RBC	5.38	x10E6/uL	4.14 - 5.80	02
Hemoglobin	16.1	g/dL	13.0 - 17.7	02
Hematocrit	46.4	%	37.5 - 51.0	02
MCV	86	fL	79 - 97	02
MCH	29.9	pg	26.6 - 33.0	02
MCHC	34.7	g/dL	31.5 - 35.7	02
RDW	14.6	%	12.3 - 15.4	02
Platelets	252	x10E3/uL	150 - 379	02
Neutrophils	50	%	Not Estab.	02
Lymphs	39	%	Not Estab.	02
Monocytes	8	%	Not Estab.	02
Eos	3	%	Not Estab.	02
Basos	0	%	Not Estab.	02
Neutrophils (Absolute)	1.9	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.5	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, Serum	73		mg/dL	65 - 99	02
BUN	13		mg/dL	6 - 24	02
Creatinine, Serum	1.01		mg/dL	0.76 - 1.27	02
eGFR If NonAfricn Am	93		mL/min/1.73	>59	
eGFR If Africn Am	107		mL/min/1.73	>59	
BUN/Creatinine Ratio	13			9 - 20	
Sodium, Serum	143		mmol/L	134 - 144	02
Potassium, Serum	4.9		mmol/L	3.5 - 5.2	02
Chloride, Serum	100		mmol/L	96 - 106	02
Carbon Dioxide, Total	26		mmol/L	18 - 29	02
Calcium, Serum	9.3		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	6.8		g/dL	6.0 - 8.5	02
Albumin, Serum	4.2		g/dL	3.5 - 5.5	02
Globulin, Total	2.6		g/dL	1.5 - 4.5	
A/G Ratio	1.6			1.2 - 2.2	
Bilirubin, Total	0.7		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	53		IU/L	39 - 117	02
AST (SGOT)	23		IU/L	0 - 40	02
ALT (SGPT)	26		IU/L	0 - 44	02
<b>Lipid Panel</b>					
Cholesterol, Total	163		mg/dL	100 - 199	02
Triglycerides	109		mg/dL	0 - 149	02
HDL Cholesterol	46		mg/dL	>39	02
VLDL Cholesterol Cal	22		mg/dL	5 - 40	
LDL Cholesterol Calc	95		mg/dL	0 - 99	
<b>C-Reactive Protein, Cardiac</b>	1.53		mg/L	0.00 - 3.00	02
Relative Risk for Future Cardiovascular Event					
Low <1.00					
Average 1.00 - 3.00					
High >3.00					
<b>Insulin</b>	5.3		uIU/mL	2.6 - 24.9	02

01	BN	LabCorp Burlington 1447 York Court, Burlington, NC 27215-3361	Dir: William F Hancock, MD
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