



**Specimen Details**

**Date collected:** 01/19/2018 0925 Local  
**Date received:** 01/19/2018  
**Date entered:** 01/19/2018  
**Date reported:** 01/22/2018 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; Hemoglobin A1c; Cortisol; 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>1484</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>113</b>	<b>High</b>	mg/dL	0 - 99	01
		<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	51		mg/dL	>39	01
Triglycerides	76		mg/dL	0 - 149	01
Cholesterol, Total	179		mg/dL	100 - 199	01
LDL and HDL Particles					01
<b>HDL-P (Total)</b>	<b>28.7</b>	<b>Low</b>	umol/L	>=30.5	01
Small LDL-P	497		nmol/L	<=527	01
LDL Size	20.6		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 <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	6.4	x10E3/uL	3.4 - 10.8	02
RBC	4.60	x10E6/uL	3.77 - 5.28	02
Hemoglobin	13.6	g/dL	11.1 - 15.9	02
Hematocrit	42.6	%	34.0 - 46.6	02
MCV	93	fL	79 - 97	02
MCH	29.6	pg	26.6 - 33.0	02
MCHC	31.9	g/dL	31.5 - 35.7	02
RDW	13.5	%	12.3 - 15.4	02
Platelets	297	x10E3/uL	150 - 379	02
Neutrophils	62	%	Not Estab.	02
Lymphs	28	%	Not Estab.	02
Monocytes	8	%	Not Estab.	02
Eos	2	%	Not Estab.	02
Basos	0	%	Not Estab.	02
Neutrophils (Absolute)	4.0	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.8	x10E3/uL	0.7 - 3.1	02
Monocytes (Absolute)	0.5	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	70		mg/dL	65 - 99	02
BUN	12		mg/dL	6 - 24	02
Creatinine, Serum	0.62		mg/dL	0.57 - 1.00	02
eGFR If NonAfricn Am	108		mL/min/1.73	>59	
eGFR If Africn Am	125		mL/min/1.73	>59	
BUN/Creatinine Ratio	19			9 - 23	
Sodium, Serum	140		mmol/L	134 - 144	02
Potassium, Serum	4.8		mmol/L	3.5 - 5.2	02
Chloride, Serum	100		mmol/L	96 - 106	02
Carbon Dioxide, Total	23		mmol/L	18 - 29	02
Calcium, Serum	8.9		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	6.8		g/dL	6.0 - 8.5	02
Albumin, Serum	4.1		g/dL	3.5 - 5.5	02
Globulin, Total	2.7		g/dL	1.5 - 4.5	
A/G Ratio	1.5			1.2 - 2.2	
Bilirubin, Total	0.4		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	51		IU/L	39 - 117	02
AST (SGOT)	19		IU/L	0 - 40	02
ALT (SGPT)	11		IU/L	0 - 32	02
<b>Lipid Panel</b>					
Cholesterol, Total	179		mg/dL	100 - 199	02
Triglycerides	71		mg/dL	0 - 149	02
HDL Cholesterol	52		mg/dL	>39	02
VLDL Cholesterol Cal	14		mg/dL	5 - 40	
<b>LDL Cholesterol Calc</b>	<b>113</b>	<b>High</b>	mg/dL	0 - 99	
<b>Hemoglobin A1c</b>					
Hemoglobin A1c	5.1		%	4.8 - 5.6	02
Please Note:					02
	Pre-diabetes: 5.7 - 6.4				
	Diabetes: >6.4				
	Glycemic control for adults with diabetes: <7.0				
<b>Cortisol</b>	9.2		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
<b>C-Reactive Protein, Cardiac</b>	<b>4.44</b>	<b>High</b>	mg/L	0.00 - 3.00	02
	<b>Relative Risk for Future Cardiovascular Event</b>				
			<b>Low</b>	<b>&lt;1.00</b>	
			<b>Average</b>	<b>1.00 - 3.00</b>	

Patient ID:

TESTS	RESULT	FLAG	UNITS	REFERENCE	INTERVAL	LAB
			High		>3.00	
Insulin	1.3	Low	uIU/mL	2.6 - 24.9		02

01	BN	LabCorp Burlington 1447 York Court, Burlington, NC 27215-3361	Dir: William F Hancock, MD
02	PDLCA	LabCorp Phoenix 5005 S 40th Street Ste 1200, Phoenix, AZ 85040-2969	Dir: Brian Poirier, MD

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