

Specimen ID:  
Control ID:

Rte: 00

**Specimen Details**

**Date collected:** 11/10/2017 0947 Local  
**Date received:** 11/10/2017  
**Date entered:** 11/10/2017  
**Date reported:** 11/13/2017 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
LDL-P	925		nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	65		mg/dL	0 - 99	
		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	44		mg/dL	>39	01
<b>Triglycerides</b>	<b>199</b>	<b>High</b>	mg/dL	0 - 149	01
Cholesterol, Total	149		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	32.3		umol/L	>=30.5	01
<b>Small LDL-P</b>	<b>713</b>	<b>High</b>	nmol/L	<=527	01
LDL Size	19.7		nm	>20.5	01

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**\*\* INTERPRETATIVE INFORMATION\*\***

**PARTICLE CONCENTRATION AND SIZE**

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

LDL AND HDL PARTICLES	Percentile in Reference Population				
	High	75th	50th	25th	Low
HDL-P (total)	>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)->		

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** 99 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	3.6	x10E3/uL	3.4 - 10.8	02
RBC	5.44	x10E6/uL	4.14 - 5.80	02
Hemoglobin	16.4	g/dL	12.6 - 17.7	02
Hematocrit	47.9	%	37.5 - 51.0	02
MCV	88	fL	79 - 97	02
MCH	30.1	pg	26.6 - 33.0	02
MCHC	34.2	g/dL	31.5 - 35.7	02
RDW	13.5	%	12.3 - 15.4	02
Platelets	258	x10E3/uL	150 - 379	02
Neutrophils	48	%	Not Estab.	02
Lymphs	39	%	Not Estab.	02
Monocytes	8	%	Not Estab.	02
Eos	3	%	Not Estab.	02
Basos	2	%	Not Estab.	02
Neutrophils (Absolute)	1.7	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.4	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)	0.1	x10E3/uL	0.0 - 0.2	02
Immature Granulocytes	0	%	Not Estab.	02

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>					
<b>Glucose, Serum</b>	<b>64</b>	<b>Low</b>	mg/dL	65 - 99	02
BUN	11		mg/dL	6 - 24	02
Creatinine, Serum	1.00		mg/dL	0.76 - 1.27	02
eGFR If NonAfricn Am	94		mL/min/1.73	>59	
eGFR If Africn Am	108		mL/min/1.73	>59	
BUN/Creatinine Ratio	11			9 - 20	
Sodium, Serum	141		mmol/L	134 - 144	02
Potassium, Serum	4.8		mmol/L	3.5 - 5.2	02
Chloride, Serum	97		mmol/L	96 - 106	02
Carbon Dioxide, Total	23		mmol/L	18 - 29	02
Calcium, Serum	9.5		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	7.2		g/dL	6.0 - 8.5	02
Albumin, Serum	4.4		g/dL	3.5 - 5.5	02
Globulin, Total	2.8		g/dL	1.5 - 4.5	
A/G Ratio	1.6			1.2 - 2.2	
Bilirubin, Total	0.5		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	54		IU/L	39 - 117	02
AST (SGOT)	29		IU/L	0 - 40	02
ALT (SGPT)	25		IU/L	0 - 44	02
<b>Lipid Panel</b>					
Cholesterol, Total	144		mg/dL	100 - 199	02
<b>Triglycerides</b>	<b>191</b>	<b>High</b>	mg/dL	0 - 149	02
HDL Cholesterol	42		mg/dL	>39	02
VLDL Cholesterol Cal	38		mg/dL	5 - 40	
LDL Cholesterol Calc	64		mg/dL	0 - 99	
<b>C-Reactive Protein, Cardiac</b>	2.22		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>	2.7		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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For inquiries, the physician may contact **Branch: 888-522-2677 Lab: 800-762-4344**