



**Specimen Details**

**Date collected:** 01/12/2018 0909 Local  
**Date received:** 01/12/2018  
**Date entered:** 01/12/2018  
**Date reported:** 01/15/2018 0305 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>1242</b>	<b>High</b>	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
<b>LDL-C</b>	<b>116</b>	<b>High</b>	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	52		mg/dL	>39	01
Triglycerides	104		mg/dL	0 - 149	01
Cholesterol, Total	189		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	33.1		umol/L	>=30.5	01
Small LDL-P	429		nmol/L	<=527	01
LDL Size	21.0		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 46 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	4.8	x10E3/uL	3.4 - 10.8	02
RBC	5.59	x10E6/uL	4.14 - 5.80	02
Hemoglobin	16.7	g/dL	13.0 - 17.7	02
Hematocrit	49.4	%	37.5 - 51.0	02
MCV	88	fL	79 - 97	02
MCH	29.9	pg	26.6 - 33.0	02
MCHC	33.8	g/dL	31.5 - 35.7	02
RDW	14.3	%	12.3 - 15.4	02
Platelets	241	x10E3/uL	150 - 379	02
Neutrophils	46	%	Not Estab.	02
Lymphs	44	%	Not Estab.	02
Monocytes	7	%	Not Estab.	02
Eos	2	%	Not Estab.	02
Basos	1	%	Not Estab.	02
Neutrophils (Absolute)	2.3	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	2.1	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:

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Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	02
<b>Comp. Metabolic Panel (14)</b>					
Glucose, Serum	82		mg/dL	65 - 99	02
BUN	14		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	14			9 - 20	
Sodium, Serum	141		mmol/L	134 - 144	02
Potassium, Serum	4.5		mmol/L	3.5 - 5.2	02
Chloride, Serum	98		mmol/L	96 - 106	02
Carbon Dioxide, Total	24		mmol/L	18 - 29	02
Calcium, Serum	9.6		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	7.5		g/dL	6.0 - 8.5	02
Albumin, Serum	4.5		g/dL	3.5 - 5.5	02
Globulin, Total	3.0		g/dL	1.5 - 4.5	
A/G Ratio	1.5			1.2 - 2.2	
Bilirubin, Total	0.8		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	56		IU/L	39 - 117	02
AST (SGOT)	25		IU/L	0 - 40	02
ALT (SGPT)	31		IU/L	0 - 44	02
<b>Lipid Panel</b>					
Cholesterol, Total	182		mg/dL	100 - 199	02
Triglycerides	96		mg/dL	0 - 149	02
HDL Cholesterol	52		mg/dL	>39	02
VLDL Cholesterol Cal	19		mg/dL	5 - 40	
<b>LDL Cholesterol Calc</b>	<b>111</b>	<b>High</b>	mg/dL	0 - 99	
<b>Hemoglobin A1c</b>					
Hemoglobin A1c	4.8		%	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>	9.8		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
<b>C-Reactive Protein, Cardiac</b>	1.41		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>	4.4		uIU/mL	2.6 - 24.9		02

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