



Specimen Details

Date collected: 02/22/2019 0853 Local
Date received: 02/22/2019
Date entered: 02/22/2019
Date reported: 02/24/2019 1106 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
NMR LipoProfile					
LDL Particle Number					01
LDL-P	1083	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	98		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	46		mg/dL	>39	01
Triglycerides	146		mg/dL	0 - 149	01
Cholesterol, Total	173		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	30.1	Low	umol/L	>=30.5	01
Small LDL-P	396		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	High	50th	25th	Low
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)->			

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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 60 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	4.3	x10E3/uL	3.4 - 10.8	02
RBC	5.25	x10E6/uL	4.14 - 5.80	02
Hemoglobin	15.7	g/dL	13.0 - 17.7	02
Hematocrit	44.7	%	37.5 - 51.0	02
MCV	85	fL	79 - 97	02
MCH	29.9	pg	26.6 - 33.0	02
MCHC	35.1	g/dL	31.5 - 35.7	02
RDW	15.2	%	12.3 - 15.4	02
Platelets	244	x10E3/uL	150 - 379	02
Neutrophils	54	%	Not Estab.	02
Lymphs	34	%	Not Estab.	02
Monocytes	9	%	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)	1.5	x10E3/uL	0.7 - 3.1	02
Monocytes (Absolute)	0.4	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

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Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	02
Comp. Metabolic Panel (14)					
Glucose	84		mg/dL	65 - 99	02
BUN	13		mg/dL	6 - 24	02
Creatinine	0.97		mg/dL	0.76 - 1.27	02
eGFR If NonAfricn Am	97		mL/min/1.73	>59	
eGFR If Africn Am	112		mL/min/1.73	>59	
BUN/Creatinine Ratio	13			9 - 20	
Sodium	140		mmol/L	134 - 144	02
Potassium	5.0		mmol/L	3.5 - 5.2	02
Chloride	102		mmol/L	96 - 106	02
Carbon Dioxide, Total	23		mmol/L	20 - 29	02
Calcium	9.7		mg/dL	8.7 - 10.2	02
Protein, Total	6.8		g/dL	6.0 - 8.5	02
Albumin	4.4		g/dL	3.5 - 5.5	02
Globulin, Total	2.4		g/dL	1.5 - 4.5	
A/G Ratio	1.8			1.2 - 2.2	
Bilirubin, Total	0.7		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase	49		IU/L	39 - 117	02
AST (SGOT)	25		IU/L	0 - 40	02
ALT (SGPT)	21		IU/L	0 - 44	02
Lipid Panel					
Cholesterol, Total	172		mg/dL	100 - 199	02
Triglycerides	133		mg/dL	0 - 149	02
HDL Cholesterol	46		mg/dL	>39	02
VLDL Cholesterol Cal	27		mg/dL	5 - 40	
LDL Cholesterol Calc	99		mg/dL	0 - 99	
Hemoglobin A1c					
Hemoglobin A1c	4.9		%	4.8 - 5.6	02
Please Note:					02
	Prediabetes: 5.7 - 6.4				
	Diabetes: >6.4				
	Glycemic control for adults with diabetes: <7.0				
Cortisol	7.0		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac	1.24		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	
Insulin	6.7		uIU/mL	2.6 - 24.9		02

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