

Specimen Details

Date collected: 02/15/2019 0952 Local
 Date received: 02/15/2019
 Date entered: 02/15/2019
 Date reported: 02/17/2019 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; Drawing Fee

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
NMR LipoProfile					
LDL Particle Number					01
LDL-P	1031	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					
LDL-C	135	High	mg/dL	0 - 99	01
		Optimal		< 100	
		Above optimal		100 - 129	
		Borderline		130 - 159	
		High		160 - 189	
		Very high		> 189	
Comment:					
LDL-C is inaccurate if patient is non-fasting.					01
HDL-C	100		mg/dL	>39	01
Triglycerides	65		mg/dL	0 - 149	01
Cholesterol, Total	248	High	mg/dL	100 - 199	01
LDL and HDL Particles					
HDL-P (Total)	38.6		umol/L	>=30.5	01
Small LDL-P	<90		nmol/L	<=527	01
LDL Size	21.1		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)->		

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
	23.0	20.6	20.5	19.0	

Comment:

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.

01

Insulin Resistance Score

01

LP-IR Score

26

<=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:

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.

01

CBC With Differential/Platelet

WBC	4.3		x10E3/uL	3.4 - 10.8	02
RBC	4.70		x10E6/uL	3.77 - 5.28	02
Hemoglobin	13.3		g/dL	11.1 - 15.9	02
Hematocrit	40.9		%	34.0 - 46.6	02
MCV	87		fL	79 - 97	02
MCH	28.3		pg	26.6 - 33.0	02
MCHC	32.5		g/dL	31.5 - 35.7	02
RDW	14.3		%	12.3 - 15.4	02
Platelets	274		x10E3/uL	150 - 379	02
Neutrophils	60		%	Not Estab.	02
Lymphs	30		%	Not Estab.	02
Monocytes	6		%	Not Estab.	02
Eos	3		%	Not Estab.	02
Basos	1		%	Not Estab.	02
Neutrophils (Absolute)	2.6		x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.3		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

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	02
Comp. Metabolic Panel (14)					
Glucose	85		mg/dL	65 - 99	02
BUN	9		mg/dL	6 - 24	02
Creatinine	0.68		mg/dL	0.57 - 1.00	02
eGFR If NonAfricn Am	102		mL/min/1.73	>59	
eGFR If Africn Am	118		mL/min/1.73	>59	
BUN/Creatinine Ratio	13			9 - 23	
Sodium	134		mmol/L	134 - 144	02
Potassium	4.4		mmol/L	3.5 - 5.2	02
Chloride	94	Low	mmol/L	96 - 106	02
Carbon Dioxide, Total	22		mmol/L	20 - 29	02
Calcium	9.6		mg/dL	8.7 - 10.2	02
Protein, Total	7.1		g/dL	6.0 - 8.5	02
Albumin	4.7		g/dL	3.5 - 5.5	02
Globulin, Total	2.4		g/dL	1.5 - 4.5	
A/G Ratio	2.0			1.2 - 2.2	
Bilirubin, Total	<0.2		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase	45		IU/L	39 - 117	02
AST (SGOT)	14		IU/L	0 - 40	02
ALT (SGPT)	19		IU/L	0 - 32	02
Lipid Panel					
Cholesterol, Total	243	High	mg/dL	100 - 199	02
Triglycerides	57		mg/dL	0 - 149	02
HDL Cholesterol	104		mg/dL	>39	02
VLDL Cholesterol Calc	11		mg/dL	5 - 40	
LDL Cholesterol Calc	128	High	mg/dL	0 - 99	
Hemoglobin Alc					
Hemoglobin Alc	5.1		%	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	12.5		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac	1.06		mg/L	0.00 - 3.00	02
			Relative Risk for Future Cardiovascular Event		
			Low	<1.00	
			Average	1.00 - 3.00	

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
			High	>3.00	
Insulin	5.1		uIU/mL	2.6 - 24.9	02

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