



Specimen Details

Date collected: 03/22/2019 0855 Local
Date received: 03/22/2019
Date entered: 03/22/2019
Date reported: 03/25/2019 0405 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	1072	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	109	High	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	97		mg/dL	>39	01
Triglycerides	75		mg/dL	0 - 149	01
Cholesterol, Total	221	High	mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	42.2		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)->

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	3.3	Low	x10E3/uL	3.4 - 10.8	02
RBC	4.49		x10E6/uL	3.77 - 5.28	02
Hemoglobin	12.7		g/dL	11.1 - 15.9	02
Hematocrit	39.6		%	34.0 - 46.6	02
MCV	88		fL	79 - 97	02
MCH	28.3		pg	26.6 - 33.0	02
MCHC	32.1		g/dL	31.5 - 35.7	02
RDW	14.4		%	12.3 - 15.4	02
Platelets	238		x10E3/uL	150 - 379	02
Neutrophils	53		%	Not Estab.	02
Lymphs	35		%	Not Estab.	02
Monocytes	7		%	Not Estab.	02
Eos	4		%	Not Estab.	02
Basos	1		%	Not Estab.	02
Neutrophils (Absolute)	1.8		x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.2		x10E3/uL	0.7 - 3.1	02
Monocytes (Absolute)	0.2		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
Comp. Metabolic Panel (14)					
Glucose	82		mg/dL	65 - 99	02
BUN	10		mg/dL	6 - 24	02
Creatinine	0.67		mg/dL	0.57 - 1.00	02
eGFR If NonAfricn Am	103		mL/min/1.73	>59	
eGFR If Africn Am	119		mL/min/1.73	>59	
BUN/Creatinine Ratio	15			9 - 23	
Sodium	136		mmol/L	134 - 144	02
Potassium	4.5		mmol/L	3.5 - 5.2	02
Chloride	95	Low	mmol/L	96 - 106	02
Carbon Dioxide, Total	25		mmol/L	20 - 29	02
Calcium	9.4		mg/dL	8.7 - 10.2	02
Protein, Total	6.3		g/dL	6.0 - 8.5	02
Albumin	4.5		g/dL	3.5 - 5.5	02
Globulin, Total	1.8		g/dL	1.5 - 4.5	
A/G Ratio	2.5	High		1.2 - 2.2	
Bilirubin, Total	0.2		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase	35	Low	IU/L	39 - 117	02
AST (SGOT)	17		IU/L	0 - 40	02
ALT (SGPT)	22		IU/L	0 - 32	02
Lipid Panel					
Cholesterol, Total	214	High	mg/dL	100 - 199	02
Triglycerides	59		mg/dL	0 - 149	02
HDL Cholesterol	100		mg/dL	>39	02
VLDL Cholesterol Cal	12		mg/dL	5 - 40	
LDL Cholesterol Calc	102	High	mg/dL	0 - 99	
Hemoglobin A1c					
Hemoglobin A1c	5.0		%	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	12.7		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac	0.83		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	3.4		uIU/mL	2.6 - 24.9		02

01	BN	LabCorp Burlington 1447 York Court, Burlington, NC 27215-3361	Dir: Sanjai Nagendra, MD
02	DA	LabCorp Dallas 7777 Forest Ln Bldg C350, Dallas, TX 75230-2544	Dir: CN Etufugh, MD

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