



Specimen Details

Date collected: 01/19/2018 0944 Local
Date received: 01/20/2018
Date entered: 01/20/2018
Date reported: 01/22/2018 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; Hemoglobin A1c; Cortisol; C-Reactive Protein, Cardiac; Insulin; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
NMR LipoProfile					
LDL Particle Number					01
LDL-P	849		nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	72		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
Triglycerides	117		mg/dL	0 - 149	01
Cholesterol, Total	139		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	29.8	Low	umol/L	>=30.5	01
Small LDL-P	325		nmol/L	<=527	01
LDL Size	20.6		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 63 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	3.8	x10E3/uL	3.4 - 10.8	02
RBC	5.61	x10E6/uL	4.14 - 5.80	02
Hemoglobin	17.0	g/dL	13.0 - 17.7	02
Hematocrit	49.1	%	37.5 - 51.0	02
MCV	88	fL	79 - 97	02
MCH	30.3	pg	26.6 - 33.0	02
MCHC	34.6	g/dL	31.5 - 35.7	02
RDW	14.0	%	12.3 - 15.4	02
Platelets	247	x10E3/uL	150 - 379	02
Neutrophils	51	%	Not Estab.	02
Lymphs	38	%	Not Estab.	02
Monocytes	8	%	Not Estab.	02
Eos	2	%	Not Estab.	02
Basos	1	%	Not Estab.	02
Neutrophils (Absolute)	1.9	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.5	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
Comp. Metabolic Panel (14)					
Glucose, Serum	73		mg/dL	65 - 99	02
BUN	12		mg/dL	6 - 24	02
Creatinine, Serum	1.02		mg/dL	0.76 - 1.27	02
eGFR If NonAfricn Am	92		mL/min/1.73	>59	
eGFR If Africn Am	106		mL/min/1.73	>59	
BUN/Creatinine Ratio	12			9 - 20	
Sodium, Serum	142		mmol/L	134 - 144	02
Potassium, Serum	4.8		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	9.8		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	7.5		g/dL	6.0 - 8.5	02
Albumin, Serum	4.6		g/dL	3.5 - 5.5	02
Globulin, Total	2.9		g/dL	1.5 - 4.5	
A/G Ratio	1.6			1.2 - 2.2	
Bilirubin, Total	0.8		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	53		IU/L	39 - 117	02
AST (SGOT)	26		IU/L	0 - 40	02
ALT (SGPT)	28		IU/L	0 - 44	02
Lipid Panel					
Cholesterol, Total	144		mg/dL	100 - 199	02
Triglycerides	114		mg/dL	0 - 149	02
HDL Cholesterol	45		mg/dL	>39	02
VLDL Cholesterol Cal	23		mg/dL	5 - 40	
LDL Cholesterol Calc	76		mg/dL	0 - 99	
Hemoglobin A1c					
Hemoglobin A1c	4.9		%	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				
Cortisol	12.7		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac	1.62		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	2.4	Low	uIU/mL	2.6 - 24.9		02

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