

Specimen Details

Date collected: 10/27/2017 1034 Local
Date received: 10/27/2017
Date entered: 10/27/2017
Date reported: 10/29/2017 1706 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; C-Reactive Protein, Cardiac; Insulin; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
NMR LipoProfile					
LDL Particle Number					01
LDL-P	1236	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	103	High	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	48		mg/dL	>39	01
Triglycerides	104		mg/dL	0 - 149	01
Cholesterol, Total	172		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	31.5		umol/L	>=30.5	01
Small LDL-P	221		nmol/L	<=527	01
LDL Size	20.8		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	75th	50th	25th	Low
HDL-P (total)	>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: 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 **57 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	5.2	x10E3/uL	3.4 - 10.8	02
RBC	5.50	x10E6/uL	4.14 - 5.80	02
Hemoglobin	16.6	g/dL	12.6 - 17.7	02
Hematocrit	47.2	%	37.5 - 51.0	02
MCV	86	fL	79 - 97	02
MCH	30.2	pg	26.6 - 33.0	02
MCHC	35.2	g/dL	31.5 - 35.7	02
RDW	14.0	%	12.3 - 15.4	02
Platelets	225	x10E3/uL	150 - 379	02
Neutrophils	48	%	Not Estab.	02
Lymphs	42	%	Not Estab.	02
Monocytes	7	%	Not Estab.	02
Eos	2	%	Not Estab.	02
Basos	1	%	Not Estab.	02
Neutrophils (Absolute)	2.6	x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	2.2	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, Serum	74		mg/dL	65 - 99	02
BUN	14		mg/dL	6 - 24	02
Creatinine, Serum	1.05		mg/dL	0.76 - 1.27	02
eGFR If NonAfricn Am	88		mL/min/1.73	>59	
eGFR If Africn Am	102		mL/min/1.73	>59	
BUN/Creatinine Ratio	13			9 - 20	
Sodium, Serum	143		mmol/L	134 - 144	02
Potassium, Serum	4.7		mmol/L	3.5 - 5.2	02
Chloride, Serum	100		mmol/L	96 - 106	02
Carbon Dioxide, Total	25		mmol/L	18 - 29	02
Calcium, Serum	9.3		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	7.0		g/dL	6.0 - 8.5	02
Albumin, Serum	4.4		g/dL	3.5 - 5.5	02
Globulin, Total	2.6		g/dL	1.5 - 4.5	
A/G Ratio	1.7			1.2 - 2.2	
Bilirubin, Total	0.9		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	51		IU/L	39 - 117	02
AST (SGOT)	26		IU/L	0 - 40	02
ALT (SGPT)	32		IU/L	0 - 44	02
Lipid Panel					
Cholesterol, Total	171		mg/dL	100 - 199	02
Triglycerides	104		mg/dL	0 - 149	02
HDL Cholesterol	49		mg/dL	>39	02
VLDL Cholesterol Cal	21		mg/dL	5 - 40	
LDL Cholesterol Calc	101	High	mg/dL	0 - 99	
C-Reactive Protein, Cardiac	1.58		mg/L	0.00 - 3.00	02
Relative Risk for Future Cardiovascular Event					
				Low	<1.00
				Average	1.00 - 3.00
				High	>3.00
Insulin	3.7		uIU/mL	2.6 - 24.9	02

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