



Specimen Details

Date collected: 01/12/2018 0905 Local
Date received: 01/13/2018
Date entered: 01/13/2018
Date reported: 01/15/2018 0406 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	1064	High	nmol/L	<1000	01
		Low		< 1000	
		Moderate		1000 - 1299	
		Borderline-High		1300 - 1599	
		High		1600 - 2000	
		Very High		> 2000	
Lipids					01
LDL-C	78		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	46		mg/dL	>39	01
Triglycerides	54		mg/dL	0 - 149	01
Cholesterol, Total	135		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	23.4	Low	umol/L	>=30.5	01
Small LDL-P	548	High	nmol/L	<=527	01
LDL Size	20.2		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.

CBC With Differential/Platelet

WBC	3.4		x10E3/uL	3.4 - 10.8	02
RBC	4.57		x10E6/uL	3.77 - 5.28	02
Hemoglobin	13.4		g/dL	11.1 - 15.9	02
Hematocrit	39.8		%	34.0 - 46.6	02
MCV	87		fL	79 - 97	02
MCH	29.3		pg	26.6 - 33.0	02
MCHC	33.7		g/dL	31.5 - 35.7	02
RDW	13.1		%	12.3 - 15.4	02
Platelets	143	Low	x10E3/uL	150 - 379	02
Neutrophils	61		%	Not Estab.	02
Lymphs	31		%	Not Estab.	02
Monocytes	5		%	Not Estab.	02
Eos	2		%	Not Estab.	02
Basos	1		%	Not Estab.	02
Neutrophils (Absolute)	2.1		x10E3/uL	1.4 - 7.0	02
Lymphs (Absolute)	1.1		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
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	02

Comp. Metabolic Panel (14)

Glucose, Serum	82		mg/dL	65 - 99	02
BUN	13		mg/dL	6 - 20	02
Creatinine, Serum	0.68		mg/dL	0.57 - 1.00	02
eGFR If NonAfricn Am	111		mL/min/1.73	>59	
eGFR If Africn Am	128		mL/min/1.73	>59	
BUN/Creatinine Ratio	19			9 - 23	
Sodium, Serum	140		mmol/L	134 - 144	02
Potassium, Serum	4.1		mmol/L	3.5 - 5.2	02
Chloride, Serum	102		mmol/L	96 - 106	02
Carbon Dioxide, Total	25		mmol/L	18 - 29	02

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Calcium, Serum	8.9		mg/dL	8.7 - 10.2	02
Protein, Total, Serum	6.3		g/dL	6.0 - 8.5	02
Albumin, Serum	4.4		g/dL	3.5 - 5.5	02
Globulin, Total	1.9		g/dL	1.5 - 4.5	
A/G Ratio	2.3	High		1.2 - 2.2	
Bilirubin, Total	0.7		mg/dL	0.0 - 1.2	02
Alkaline Phosphatase, S	50		IU/L	39 - 117	02
AST (SGOT)	19		IU/L	0 - 40	02
ALT (SGPT)	13		IU/L	0 - 32	02
Lipid Panel					
Cholesterol, Total	128		mg/dL	100 - 199	02
Triglycerides	46		mg/dL	0 - 149	02
HDL Cholesterol	46		mg/dL	>39	02
VLDL Cholesterol Calc	9		mg/dL	5 - 40	
LDL Cholesterol Calc	73		mg/dL	0 - 99	
Hemoglobin A1c					
Hemoglobin A1c	5.2		%	4.8 - 5.6	02
Please Note:					
Pre-diabetes: 5.7 - 6.4					
Diabetes: >6.4					
Glycemic control for adults with diabetes: <7.0					
Cortisol					
	6.3		ug/dL		02
			Cortisol AM	6.2 - 19.4	
			Cortisol PM	2.3 - 11.9	
C-Reactive Protein, Cardiac					
	0.57		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					
	4.2		uIU/mL	2.6 - 24.9	02

01	BN	LabCorp Burlington 1447 York Court, Burlington, NC 27215-3361	Dir: William F Hancock, MD
02	PDLCA	LabCorp Phoenix 5005 S 40th Street Ste 1200, Phoenix, AZ 85040-2969	Dir: Brian Poirier, MD

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