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## **Specimen Details**

Date collected: 03/22/2019 0842 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; Venipuncture

TESTS	RESULT	FLAG	UNITS R	EFERENCE INTERVAL	LAE
MR LipoProfile					
LDL Particle Number					01
LDL-P	1017	High	nmol/L Low Moderate Borderline-Hig High Very High	<1000 < 1000 1000 - 1299 gh 1300 - 1599 1600 - 2000 > 2000	01
Lipids					01
LDL-C	70		mg/dL Optimal Above optimal Borderline High Very high	0 - 99 < 100 100 - 129 130 - 159 160 - 189 > 189	01
Comment:					01
LDL-C is inaccurate i	_		_		
HDL-C	26	Low	mg/dL	>39	01
Triglycerides	207	High	mg/dL	0 - 149	01
Cholesterol, Total	137		mg/dL	100 - 199	01
LDL and HDL Particles					01
HDL-P (Total)	20.5	Low	umol/L	>=30.5	01
Small LDL-P	826	High	nmol/L	<=527	01
LDL Size	19.8	Low	nm	>20.5	01

PARTICLE CONCENTRATION AND SIZE

<--Lower CVD Risk Higher CVD Risk--> LDL AND HDL PARTICLES Percentile in Reference Population HDL-P (total) 75th 50th 25th High Low >34.9 34.9 30.5 26.7 <26.7 50th Small LDL-P 25th 75th High Low <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: Small LDL-P a LDL-P is take			ciated v	with CVD ris	k, but not	after	01
These assays determined by US Food and D laboratory va	were developo LipoScience rug Administ	ed and th . These a ration. T	assays l The clir	nave not bee nical utilit	n cleared b		
Insulin Resistanc	e Score						01
LP-IR Score		93	High		<=45		01
INSULIN_RESIS							
	n Sensitive rcentile in 1			stant>			
Insulin Resis		Kererenc.	e Popula	201011			
LP-IR Score	Low 25th	50th	75th	High			
	<27 27	45	63	>63			
Comment:							01
LP-IR Score i The LP-IR sco					hag heen		
associated wi						d be	
used as one c							
LP-IR score l	isted above l						
Drug Administ	ration.						
CBC With Different	ial/Platelet						
WBC		3.9		K/uL	3.2	- 10.6	02
RBC		5.63		M/uL	3.98	- 5.98	02
Hemoglobin		16.6		g/dL	12.5	- 18.0	02
Hematocrit		49.5		양	36.9	- 52.1	02
MCV		87.9		fL	80.6	- 97.6	02
MCH		29.5		pg	27.3	- 33.7	02
MCHC		33.5		g/dL	33.4	- 35.3	02
RDW		13.9		%	12.5	- 15.3	02
Platelets		266		K/uL	140	- 440	02
Neutrophils		50.0		રુ	41.0	- 81.0	02
Lymphs		39.2		રુ	11.0	- 44.0	02
Monocytes		8.2		રુ	4.0	- 11.0	02
Eos		1.5		%	0.0	- 6.0	02
Basos		0.8		%	0.0	- 1.0	02
Neutrophils (Abso	lute)	2.0		K/uL	1.8	- 6.8	02
Lymphs (Absolute)		1.5		K/uL	1.0	- 3.0	02
Monocytes (Absolute	e)	0.3		K/uL	0.2	- 1.0	02
Eos (Absolute)		0.1		K/uL	0.0	- 0.4	02
Baso (Absolute)		0.0		K/uL	0.0	- 0.1	02
Immature Granuloc	ytes	0.3		%	0.0	- 8.0	02

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TESTS	RESULT	FLAG	UNITS R	FERENCE INTERVAL	LAB
Immature Grans (Abs)	0.0		K/uL	0.0 - 1.9	02
NRBC	0		/100WBC		02
Hematology Comments:					02
RDW SD	44.9		fL	N	
MEAN PLATELET VOLUME	10.6		fL	6.2-9.8 H	
Comp. Metabolic Panel (14)					
Glucose	79		mg/dL	70 - 110	02
BUN	13		mg/dL	7 - 18	02
Creatinine	0.86		mg/dL	0.60 - 1.30	02
eGFR If NonAfricn Am	98.00		mL/min		02
GFR calculation is only insufficiency. Units of				L	
Average GFR for healthy Chronic kidney disease Kidney failure if GFR i	if GFR is 1	5-60 ml/n	min/1.73 m2		
MDRD calculation used. http://www.nkdep.nih.g eGFR If Africn Am GFR calculation is only insufficiency. Units o	gov/healthpro 126.04 7 for patien	ts with o	mL/min chronic renal		02
Average GFR for healthy Chronic kidney disease Kidney failure if GFR in MDRD calculation used.	if GFR is 1 is <15 ml/mi	5-60 ml/n	min/1.73 m2		
http://www.nkdep.nih.g		ofessiona	als/index.htm	n	
BUN/Creatinine Ratio	15.1		Ratio	7.0 - 24.0	02
Sodium	141		mmol/L	136 - 145	02
Potassium	4.7		mmol/L	3.5 - 5.1	02
Chloride	101		mmol/L	98 - 107	02
Carbon Dioxide, Total	31		mmol/L	23 - 32	02
Calcium	9.1		mg/dL	8.5 - 10.1	02
Protein, Total	6.9		g/dL	6.4 - 8.2	02
Albumin	4.1		g/dL	3.4 - 5.0	02
Globulin, Total	2.8		g/dL	1.8 - 3.5	02
A/G Ratio	1.5		<i>3.</i>		02
Bilirubin, Total	0.7		mg/dL	0.1 - 1.2	02
Alkaline Phosphatase	58		U/L	50 - 136	02
AST (SGOT)	23		U/L	5 - 41	02
ALT (SGPT)	18		U/L	10 - 56	02
Lipid Panel					
Cholesterol, Total	132		mg/dL	0 - 200	02

Patient ID:					
TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Triglycerides	191	High	mg/dL	0 - 150	02
HDL Cholesterol	31	Low	mg/dL	40 - 60	02
Male patients: No risk >55 mg/dL Moderate risk = 40-55 mg High risk <40 mg/dL	/dL				
Female patients: No risk >65 mg/dL Moderate risk = 45-65 mg High risk <45 mg/dL	/dL				
National Cholesterol Edu Guidelines: <40mg/dL = low HDL chole risk of CHD) >60 mg/dL = high HDL cho (negative risk factor fo	sterol (mag		EP		
VLDL Cholesterol Cal	38.2	High	mg/dL	2 - 30	02
LDL Cholesterol Calc	63		mg/dL	0 - 130	02
Adults: Desirable LDL <130 mg/dl Borderline LDL = 130-160 High Risk LDL >160 mg/dl	mg/dl				
Children <19 Years of Ag Desirable LDL <110 mg/dl Borderline LDL = 110-130 High Risk LDL >130 mg/dl	mg/dl				
Hemoglobin Alc  For management of known be individualized for e presence of comorbid dis brittleness of the disea a level of 7% is a reas	ach patient eases, and se must be	conside	type of dia	abetes,	02
Performance characterist established or approved diabetes.					
Cortisol	10.0		ug/dL tisol AM tisol PM	6.2 - 19.4 2.3 - 11.9	03
C-Reactive Protein, Cardiac	3.88	High	mg/L	0.00 - 3.00	03

Date Issued: 03/27/19 0932 ET FINAL REPORT Page 4 of 5

Relative Risk for Future Cardiovascular Event

Low

<1.00

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	T	ESTS	RESULT	FLAG	UNITS	REFERENCE	INTERVAL	LAB
					Average High	1.00	- 3.00 >3.00	
Insuli	n		5.8		uIU/mL	2.6	- 24.9	03
01	BN	LabCorp Burlington 1447 York Court, Burlingto	on. NC 27215-33	 61	Dir: Sanja	ai Nagendra, MD		
02	DRAUT	Lone Peak Hospital			Dir: Natha	an Eliason, MD		
03	PDLCA	11925 S State Street, Dra LabCorp Phoenix 5005 S 40th Street Ste 12	•		Dir: Earle	Collum, MD		

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