

**Specimen ID:** 307-847-3079-0 **Control ID:** 63010223776

Acct #: 2

**Phone:** 

Rte: 00

# ել|ՍեհրժՍՍոլ|ովեժելըը|Իկ|Ս|Ա-|-||||Ահիի-|լվ|Սլըմլ

**Specimen Details** 

Date collected: 11/02/2020 0951 Local

**Date received:** 11/02/2020 **Date entered:** 11/02/2020

Date reported: 11/12/2020 1409 ET

#### **General Comments & Additional Information**

Total Volume: Not Provided Fasting: Yes

### **Ordered Items**

NMR LipoProfile+Lipids+Graph; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; Thyroid Panel; Vitamin B12 and Folate; Insulin and C-Peptide, Serum; Hemoglobin A1c; Cortisol; Testosterone, Serum; IGF-1; Reverse T3, Serum; Vitamin D, 25-Hydroxy; Fructosamine; Lipoprotein (a); C-Reactive Protein, Cardiac; Oxidized LDL; Lp-PLA2 Activity; GlycA; Leptin, Serum; Homocyst(e)ine; Uric Acid; GGT; Ferritin, Serum; Glucagon, Plasma; Apolipoprotein A-1; Fatty Acids, Free (Nonester); Apolipoprotein B; Venipuncture

TESTS	RESULT	FLAG	UNITS R	EFERENCE INTERVAL	LAB
NMR LipoProfile+Lipids+Graph					
LDL Particle Number					01
LDL-P A	1307	High	nmol/L	<1000	01
			Low	< 1000	
			Moderate	1000 - 1299	
			Borderшne-ніс High	gh 1300 - 1599 1600 - 2000	
			Very High	> 2000	
Lipids					01
LDL-C (NIH Calc)	130	High	mg/dL	0-99	01
			Optimal	< 100	
			Above optimal		
			Borderline	130 - 159	
			High Very high	160 - 189 > 189	
HDL-C A	56		mg/dL	>39	01
Triglycerides A	115		mg/dL	0-149	01
Cholesterol, Total A	206	High	mg/dL	100-199	01
LDL and HDL Particles					01
HDL-P (Total) A	32.4		umol/L	>=30.5	01
Small LDL-P A	432		nmol/L	<=527	01
LDL Size A	21.7		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) 75th High 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)->

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAI	LAB
23		1 1110	20.5	19.0	
Comment:		ئى لەمىلەك،	th CUD	l. b	01
Small LDL-P and LDL Si LDL-P is taken into ac		ciated wi	th CVD ris	k, but not after	
Insulin Resistance Score					01
LP-IR Score A	37			<=45	01
INSULIN RESISTANCE MAR					
<insulin sensiti<br="">Percentile</insulin>		in Resist			
Insulin Resistance Sco		e Populat	1011		
LP-IR Score Low 25		75th H	igh		
<27 27	45	63 >	63		
Comment:	:E:		- fostina		01
LP-IR Score is inaccur The LP-IR score is a l				has been	
associated with insuli:	n resistanc	e and dia	betes risk	and should be	
used as one component	of a physic	ian's cli	nical asse	ssment.	
PDF	•				01
CBC With Differential/Plate	let				
WBC	4.5		x10E3/u	ıL 3.4-10.8	02
RBC	5.61		x10E6/u		02
Hemoglobin	16.3		g/dL	13.0-17.7	02
Hematocrit	48.5		%	37.5-51.0	02
MCV	87		fL	79-97	02
MCH	29.1		pg	26.6-33.0	02
MCHC	33.6		g/dL	31.5-35.7	02
RDW	14.0		%	11.6-15.4	02
Platelets	278		x10E3/u	ıL 150-450	02
Neutrophils	51		%	Not Estab.	02
Lymphs	39		%	Not Estab.	02
Monocytes	7		%	Not Estab.	02
Eos	2		%	Not Estab.	02
Basos	1		%	Not Estab.	02
Neutrophils (Absolute)	2.3		x10E3/u		02
Lymphs (Absolute)	1.8		x10E3/u		02
Monocytes (Absolute)	0.3		x10E3/u		02
Eos (Absolute)	0.1		x10E3/u		02
Baso (Absolute)	0.0		x10E3/u		02
Immature Granulocytes	0		% 10F2 /	Not Estab.	02
Immature Grans (Abs)	0.0		x10E3/u	1L 0.0-0.1	02
Comp. Metabolic Panel (14)					
Glucose	85		mg/dL	65-99	02
BUN	15		mg/dL	6-24	02
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**Specimen ID:** 307-847-3079-0 **Date collected:** 11/02/2020 0951 Local

TESTS	RESULT	FLAG	UNITS RE	FERENCE INTERVAL	LAB
Creatinine	1.13		mg/dL	0.76-1.27	02
eGFR If NonAfricn Am	79		mL/min/1.73	>59	
eGFR If Africn Am	92		mL/min/1.73		
BUN/Creatinine Ratio	13			9-20	
Sodium	141		mmol/L	134-144	02
Potassium	4.6		mmol/L	3.5-5.2	02
Chloride	103		mmol/L	96-106	02
Carbon Dioxide, Total	24		mmol/L	20-29	02
Calcium	9.5		mg/dL	8.7-10.2	02
Protein, Total	6.4		g/dL	6.0-8.5	02
Albumin	4.4		g/dL	4.0-5.0	02
Globulin, Total	2.0		g/dL	1.5-4.5	
A/G Ratio	2.2		<b>5</b> .	1.2-2.2	
Bilirubin, Total	0.7		mg/dL	0.0-1.2	02
Alkaline Phosphatase	54		IU/L	39-117	02
AST (SGOT)	22		IU/L	0-40	02
ALT (SGPT)	20		IU/L	0-44	02
Lipid Panel					
Cholesterol, Total	190		mg/dL	100-199	02
Triglycerides	102		mg/dL	0-149	02
HDL Cholesterol	53		mg/dL	>39	02
VLDL Cholesterol Cal	18		mg/dL	5-40	
LDL Chol Calc (NIH)	119	High	mg/dL	0-99	
Thyroid Panel					
Thyroxine (T4)	5.8		ug/dL	4.5-12.0	02
T3 Uptake	31		%	24-39	02
Free Thyroxine Index	1.8			1.2-4.9	
Vitamin B12 and Folate					
Vitamin B12	1115		pg/mL	232-1245	02
Folate (Folic Acid), Serum	10.2		ng/mL	>3.0	02
Note:			9/=	, , ,	02
A serum folate concentration considered to represent					<b>V</b> =
Insulin and C-Peptide, Serum					
Insulin	9.1		uIU/mL	2.6-24.9	02
C-Peptide, Serum	1.9		ng/mL	1.1-4.4	02
C-Peptide reference inte	erval is fo	r fastin	ng patients.		
Hemoglobin Alc					
Hemoglobin Alc	5.1		%	4.8-5.6	02
Please Note:					02
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TESTS  Prediabetes: Diabetes: >6.	4	FLAG	UNITS		L LAB
Glycemic cont	rol for adult	s with d	liabetes: ‹	<7.0	
Cortisol	8.2		ug/dL isol AM isol PM	6.2 - 19.4 2.3 - 11.9	02
Testosterone, Serum  Adult male reference i healthy nonobese males Travison, et.al. JCEM	(BMI <30) be	tween 19	and 39 ye	ears old.	02
<pre>IGF-1 Insulin-Like Growth Factor</pre>	I 166		ng/mL	84-270	01
Reverse T3, Serum B	24.5	High	ng/dL	9.2-24.1	01
Vitamin D, 25-Hydroxy  Vitamin D deficiency h Medicine and an Endocr level of serum 25-OH v The Endocrine Society insufficiency as a lev 1. IOM (Institute of M intakes for calcium National Academies 2. Holick MF, Binkley Evaluation, treatme deficiency: an Endo guideline. JCEM. 20	rine Society pritamin D less went on to furel between 21 ledicine). 201 and D. Washi Press. NC, Bischoffent, and prevence Society	ractice than 20 arther de and 29 0. Dieta ngton DC Ferrari ention of	guideline ng/mL (1) efine vitar ng/mL (2) rry referer C: The  HA, et al to vitamin I	as a ,2). min D nce	02
Fructosamine  Published reference in between age 20 and 60 controlled diabetic pomean of 396 umol/L.	is 205 - 285	umol/L a	ınd in a po	subjects oorly	02
Lipoprotein (a) Note:	indicate an i but must be e to non-Caucas	ndepende valuated sian popu	ent risk fa l with caut llations du	o 75.0 nmol/L may actor for CHD, tion when applied	01
C-Reactive Protein, Cardiac		sk for F	mg/L 'uture Card Low Average High	0.00-3.00 diovascular Event <1.00 1.00 - 3.00 >3.00	02
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TESTS	RESULT	FLAG UNITS	REFERENCE INTERVAL	LAB
	142011	THIS UNITS	-RDI BRUNCH INIBRVAL	- BND
Oxidized LDL	74	ng/mL	10-170	01
Lp-PLA2 Activity	166	nmol/min, Reduced Ris Increased R	k <225	01
GlycA A	340	umol/L GlycA Medical Low Ris High Ri	Decision Limit: k <400	01
Leptin, Serum				
Acc Sta WF Comment: Results of this to assay's manufactu: have not been esta be used for treats of the diagnosis l	BMI 11 0.1 12 0.1 13 0.1 14 0.1 15 0.1 16 0.1 17 0.1 18 0.1 19 0.1 20 0.2 21 0.2 22 0.1 22 0.1	ss Index, Gender of Voice of Adipose scher W, eds, 199 or research purpose ce characteristic nufacturer. The restic purposes with the control of the control	Range  1.1 - 9.6  1.3 - 12.0  1.6 - 14.9  2.0 - 18.6  2.5 - 23.2  3.2 - 28.9  3.9 - 36.0  4.9 - 44.9  3.6.1 - 55.8  4.7.6 - 69.6  5.9.5 - 86.7  6.11.8 - 108.0  7.11.8 - 108.0  7.14.8 - 135.0  Leptin Levels and Development e Tissue, Blumm  7, 319-326.  es only by the s of this assay esult should not hout confirmation agnostic product	01
Homocyst(e)ine	11.0	umol/L	0.0-14.5	02
Uric Acid				
Uric Acid	6.5	mg/dL	3.7-8.6	02
Please Note:	Therapeut	ic target for gou	t patients: <6.0	02
GGT	15	IU/L	0-65	02
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	TESTS		RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Ferritin,	Serum		128		ng/mL	30-400	02
assay have be us of tl	Plasma  Its of the second of the diagnostic second for the diagnostic second of the se	acturer. The established creatment or basis by anoticed to the establishment of the establish	e performand by the ma for diagno her medical	nce cha anufact ostic p lly est	aracteristic curer. The r curposes wit tablished di	50-150 es only by the s of this assay esult should not hout confirmation agnostic product etermined by	01 01
Apolipopro	otein A-1	L	147		mg/dL	101-178	02
Fatty Acid	ds, Free	(Nonester)	0.9		mEq/L	0.1-0.9	01
Apolipopro	otein B		104		mg/dL Desirable Borderline H High Wery High	< 90	02
		H	ASCVD RISI CATEGORY ery High Ri igh Risk oderate Ris	isk		RAPEUTIC TARGET APO B (mg/dL) extreme risk <70)	

### Comments:

- A This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.
- <sup>B</sup> This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.

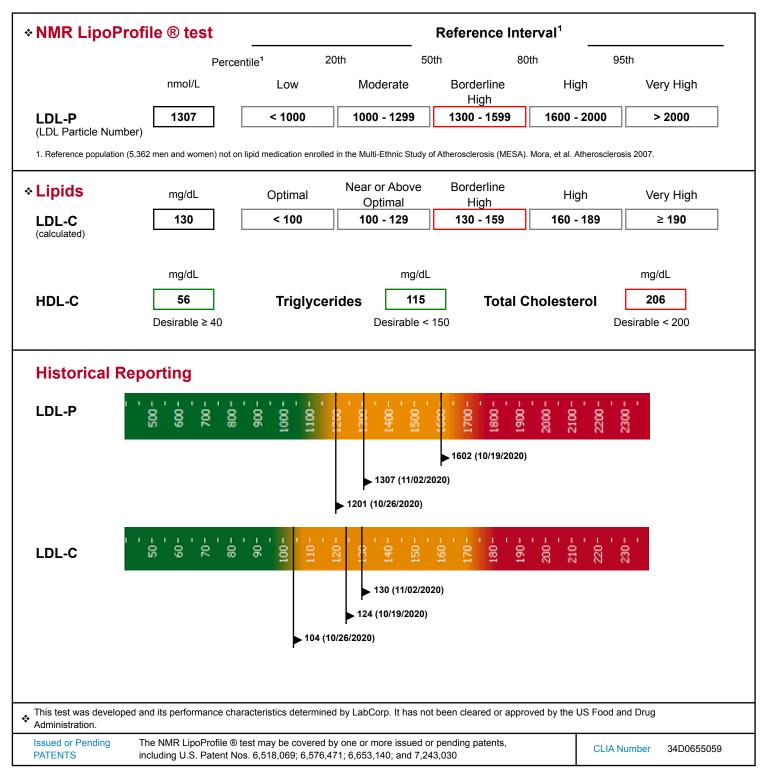
01	BN	LabCorp Burlington	Dir: Sanjai Nagendra, MD	
02	PDLCA	1447 York Court, Burlington, NC 27215-3361 LabCorp Phoenix	Dir: Earle Collum, MD	
-		5005 S 40th Street Ste 1200, Phoenix, AZ 85040-2969	,	

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



#### Medical Director: Sanjai Nagendra, MD

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•	Specimen Number 307-847-3079-0		Patient ID	Account Number	Account Phone	Account Fax
Patient L	Patient Last Name		Patient First Name	Account Address		
Age	Date of Birth	Sex M	Fasting YES			
Control	Number		NPI	1		
Date Collected 11/02/2020	Date Entered 11/02/2020			Physician ID 8	& Name	Page Number 1 of 2



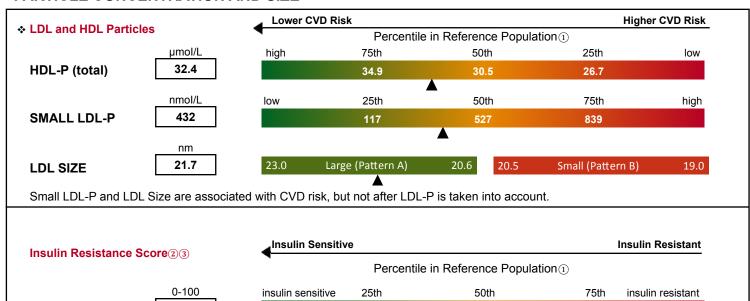


#### Medical Director: Sanjai Nagendra, MD

	n Number 7-3079-0	Patient ID		Account Number Account Phone		Account Fax
Patient L	ast Name	F	Patient First Name	Account Address		
Age	Date of Birth	Sex M	Fasting YES			
Control	Number		NPI	7		
Date Collected 11/02/2020	Date Entered Date and Time Reported 11/02/2020 11:27 AM ET		Physician ID 6	& Name	Page Number 2 of 2	

## PARTICLE CONCENTRATION AND SIZE

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\*\* 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 has not been cleared by the US Food and Drug Administration.

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## **Clinician Notes**

LP-IR SCORE\*\*

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This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the US Food and Drug Administration.

① LipoScience reference population comprises 4,588 men and women without known CVD or diabetes and not on lipid medication.

② Shalaurova I et al., Metab Syndr Relat Disord 2014; 12:422-9.

<sup>(3)</sup> Mackey RH et al., Diab Care 2015; 38:628-36.