

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
CMP14+LP+TP+TSH+5AC+CBC/D/Plt					
Chemistries					01
Glucose, Serum	85		mg/dL	65 - 99	01
Uric Acid, Serum	5.8		mg/dL	3.7 - 8.6	01
Please Note:					01
	Therapeutic target for gout patients: <6.0				
BUN	16		mg/dL	8 - 27	01
Creatinine, Serum	1.17		mg/dL	0.76 - 1.27	01
eGFR If NonAfricn Am	63		mL/min/1.73	>59	
eGFR If Africn Am	73		mL/min/1.73	>59	
BUN/Creatinine Ratio	14			10 - 22	
Sodium, Serum	136		mmol/L	134 - 144	01
Potassium, Serum	4.3		mmol/L	3.5 - 5.2	01
Chloride, Serum	96	Low	mmol/L	97 - 108	01
Carbon Dioxide, Total	29		mmol/L	18 - 29	01
Calcium, Serum	9.2		mg/dL	8.6 - 10.2	01
Phosphorus, Serum	3.5		mg/dL	2.5 - 4.5	01
Protein, Total, Serum	4.7	Low	g/dL	6.0 - 8.5	01
Albumin, Serum	3.0	Low	g/dL	3.6 - 4.8	01
Globulin, Total	1.7		g/dL	1.5 - 4.5	
A/G Ratio	1.8			1.1 - 2.5	
Bilirubin, Total	0.3		mg/dL	0.0 - 1.2	01
Alkaline Phosphatase, S	59		IU/L	39 - 117	01
LDH	211		IU/L	121 - 224	01
AST (SGOT)	25		IU/L	0 - 40	01
ALT (SGPT)	17		IU/L	0 - 44	01
GGT	11		IU/L	0 - 65	01
Iron, Serum	77		ug/dL	40 - 155	01
Lipids					01
Cholesterol, Total	279	High	mg/dL	100 - 199	01

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB															
Triglycerides	110		mg/dL	0 - 149	01															
HDL Cholesterol	67		mg/dL	>39	01															
Comment	According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.				01															
LDL Cholesterol Calc	190	High	mg/dL	0 - 99																
Comment:	Possible Familial Hypercholesterolemia. FH should be suspected when fasting LDL cholesterol is above 189 mg/dL or non-HDL cholesterol is above 219 mg/dL. A family history of high cholesterol and heart disease in 1st degree relatives should be collected. J Clin Lipidol 2011;5:133-140																			
T. Chol/HDL Ratio	4.2		ratio units	0.0 - 5.0	01															
Please Note:	<p style="text-align: center;">T. Chol/HDL Ratio</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Men</th> <th>Women</th> </tr> </thead> <tbody> <tr> <td>1/2 Avg.Risk</td> <td>3.4</td> <td>3.3</td> </tr> <tr> <td>Avg.Risk</td> <td>5.0</td> <td>4.4</td> </tr> <tr> <td>2X Avg.Risk</td> <td>9.6</td> <td>7.1</td> </tr> <tr> <td>3X Avg.Risk</td> <td>23.4</td> <td>11.0</td> </tr> </tbody> </table>					Men	Women	1/2 Avg.Risk	3.4	3.3	Avg.Risk	5.0	4.4	2X Avg.Risk	9.6	7.1	3X Avg.Risk	23.4	11.0	
	Men	Women																		
1/2 Avg.Risk	3.4	3.3																		
Avg.Risk	5.0	4.4																		
2X Avg.Risk	9.6	7.1																		
3X Avg.Risk	23.4	11.0																		
Thyroid					01															
TSH	4.590	High	uIU/mL	0.450 - 4.500	01															
Thyroxine (T4)	5.5		ug/dL	4.5 - 12.0	01															
T3 Uptake	31		%	24 - 39	01															
Free Thyroxine Index	1.7			1.2 - 4.9	01															
CBC, Platelet Ct, and Diff					01															
WBC	5.7		x10E3/uL	3.4 - 10.8	01															
RBC	4.21		x10E6/uL	4.14 - 5.80	01															
Hemoglobin	12.6		g/dL	12.6 - 17.7	01															
Hematocrit	38.5		%	37.5 - 51.0	01															
MCV	91		fL	79 - 97	01															
MCH	29.9		pg	26.6 - 33.0	01															
MCHC	32.7		g/dL	31.5 - 35.7	01															
RDW	14.2		%	12.3 - 15.4	01															
Platelets	248		x10E3/uL	150 - 379	01															
Neutrophils	58		%		01															
Lymphs	20		%		01															
Monocytes	15		%		01															
Eos	6		%		01															
Basos	1		%		01															
Neutrophils (Absolute)	3.3		x10E3/uL	1.4 - 7.0	01															
Lymphs (Absolute)	1.2		x10E3/uL	0.7 - 3.1	01															
Monocytes(Absolute)	0.8		x10E3/uL	0.1 - 0.9	01															
Eos (Absolute)	0.3		x10E3/uL	0.0 - 0.4	01															
Baso (Absolute)	0.1		x10E3/uL	0.0 - 0.2	01															

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Immature Granulocytes	0		%		01
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	01
Microalbumin, Random Urine					
Microalbumin, Urine	7004.6	High	ug/mL	0.0 - 17.0	01
Results confirmed on dilution.					

01	SO	LabCorp San Diego	Dir: Jenny Galloway, MD
		13112 Evening Creek Dr So Ste 200, San Diego, CA 92128-4108	
For inquiries, the physician may contact Branch: 800-762-4344 Lab: 858-668-3700			

Cortisol Free, Serum (FCORTS)

Stage:

Final

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag Reference Range</u>
Cortisol Free, Serum	0.68	ug/dL	

(NOTE)

INTERPRETIVE INFORMATION: Cortisol, Free
8-10 a.m. collection: 0.31-1.19 ug/dL

4-6 p.m. collection: 0.15-0.94 ug/dL

Test developed and characteristics determined by ARUP Laboratories.

See

Compliance Statement B: aruplab.com/CS

Performed by ARUP Laboratories.

500 Chipeta Way, SLC, UT 84108 800-522-2787

www.aruplab.com, Jerry W. Hussong, MD, Lab. Director

Vitamin D 25-hydroxy (VD25) (VD25)

Stage:

Final

Outpatient

Test

Vitamin D, 25-Hydroxy

Result

72

Units

ng/mL

Flag Reference Range

30-80

Deficiency <20 ng/mL

Insufficiency 20 - 29 ng/mL

Optimum Level 30 - 80 ng/mL

Possible Toxicity >80 ng/mL

** No pediatric range established **

Scripps Medical laboratories, Clinic

Director: E. Lawrence Sakas, M.D.

10666 N. Torrey Pines Rd

La Jolla, CA 92037

CBC Screen with Auto (CBC)

Stage:

Final

Outpatient

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Reference Range</u>
WBC	4.4	K/mcL		3.8-11.0
RBC	3.60	M/mcL	L	4.5-5.9
HGB	12.3	g/dL	L	13.5-17.5
HCT	34.6	%	L	41-53
MCV	96	fL		80-100
MCH	34	pg		26-34
MCHC	35	g/dL		31-36
RDW	12.2	%		10.5-13.5
Platelet Count	210	K/mcL		150-450
PRELIM ABS NEUT CT	2.85	K/mcL		1.8-7.7
Neutrophils	64.2	%		44-70
Lymphocytes	15.1	%	L	25-46
Monocytes	14.2	%	H	1-12
Eosinophils	5.9	%		0-8
Basophils	0.6	%		0-2
Absolute Neut Ct	2.85	K/mcL		1.8-7.7
Absolute Lymphs	0.67	K/mcL	L	1.0-5.0
Absolute monos	0.63	K/mcL		0-0.8
Absolute Eos	0.26	K/mcL		0-0.5
Absolute Baso	0.03	K/mcL		0-0.2
Differential Type	Auto			

Urine Microalbumin, random (UMAR)

Stage:

Final

Outpatient

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Reference Range</u>
Quant. Microalbumin	740.0	mg/L	H	0-20
Urine Creatinine	90	mg/dL		30-125
Microalb/Creat Ratio	822	mg/g	H	0-30

Comprehensive Metabolic Panel (CMPN)

Stage:

Final

Outpatient

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Reference Range</u>
Sample status:	FASTING			
Sodium	136	mmol/L	L	137-145
Potassium	4.9	mmol/L		3.5-5.1
Chloride	101	mmol/L		98-107
Glucose	88	mg/dL		70-125

For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:

70-99 mg/dL: Normal

100-125 mg/dL: Impaired Fasting Glucose

>125 mg/dL: Diabetes*

*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.

CO2	30	mmol/L		22-30
BUN	29	mg/dL	H	9-20
Creatinine mg/dL	1.2	mg/dL		0.7-1.3
Anion Gap	5	mmol/L	L	6-14
Calcium	8.7	mg/dL		8.4-10.2
Albumin	3.8	g/dL		3.5-5.0
AST	26	Units/L		17-59
Protein, Total	6.3	g/dL		6.3-8.2
Bilirubin, Total	0.4	mg/dL		0.2-1.3
ALT	36	Units/L		21-72
Alk phos	52	Units/L		38-126
GFR Calc, Non-African	>60	mL/min/1.73m ²		>60
GFR Calc, African	>60	mL/min/1.73m ²		>60

This estimated GFR calculation is not suitable for medication dosing.

Tests performed at SML, Torrey Pines, 10666 N. Torrey Pines Rd. La Jolla, CA. 92037. Laboratory Director: E. Lawrence

Sakas M.D.

Osmo calc	287	mOs/Kg H2O		280-305
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Sample status:	FASTING			
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BUN	29	mg/dL	H	9-20
Creatinine mg/dL	1.2	mg/dL		0.7-1.3
Anion Gap	5	mmol/L	L	6-14
Calcium	8.7	mg/dL		8.4-10.2
Albumin	3.8	g/dL		3.5-5.0
AST	26	Units/L		17-59
Protein, Total	6.3	g/dL		6.3-8.2
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GFR Calc, Non-African	>60	mL/min/1.73m2		>60
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This estimated GFR calculation is not suitable for medication dosing.

Tests performed at SML, Torrey Pines, 10666 N. Torrey Pines Rd. La Jolla, CA. 92037. Laboratory Director: E. Lawrence Sakas M.D.

Osmo calc	287	mOsm/Kg H2O		280-305
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NMR LipProfile (NMR LIP)

Stage:

Final

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag</u>	<u>Reference Range</u>
Panc1 Sample Status:	UNKNOWN			
Cholesterol	146	mg/dL		<200
Desirable	<200 mg/dL			
Borderline high	200-239 mg/dL			
High	>239 mg/dL			
Triglyceride	25	mg/dL		<150
Normal	<150 mg/dL			
Borderline high	150-199 mg/dL			
High	200-499 mg/dL			
Very high	>499 mg/dL			
HDL Cholesterol	81	mg/dL	H	30-70
Low	<40 mg/dL			
High	>60 mg/dL			
LDL by calculation	60	mg/dL		<130
Optimal	<100 mg/dL			
Above optimal	100-129 mg/dL			
Borderline high	130-159 mg/dL			
High	160-189 mg/dL			
Very high	>189 mg/dL			
VLDL, Calc	5	mg/dL		<30
NON-HDL Cholesterol	64	mg/dL		<1000
LDL Particle Number by NMR	603	nmol/L		

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Flag Reference Range</u>
Reference Ranges (Percentiles) (Comment B)			
Low (<20th percentile) :	<1000		
Moderate (20th-49th percentile):	1000-1299		
Border-high (50th-79th percentile):	1300-1699		
High (80th-94th percentile):	1600-2000		
Very-High (>95th percentile) :	>2000		
Small LDL Particle Number (See Comments A and D) Reference Ranges (Comment C) Low: <117 nmol/L Moderate: 117 - 527 nmol/L Borderline: 528 - 839 nmol/L High: >839 nmol/L	<90	nmol/L	<528

LDL Particle Size (See Comments A and D)	21.1	nm	>20.5
HDL Particle Number (See Comments A and D)	31.8	umol/L	>30.4
Large HDL Particle Number (See Comments A and D)	10.9	umol/L	>4.7
HDL Size (See Comments A and D)	10.2	nm	>9.1
Large VLDL Particle Number (See Comments A and D)	<0.8	nmol/L	<2.8
VLDL Size (See Comments A and D)	43.6	nm	<46.7
LP Insulin Resistant Score (See Comments A and D)	<25		<46

(Comment A) Reference intervals shown are the 50th percentile of the LipoScience reference population comprising 4,588 men and women without known CVD or diabetes and not on lipid medication.

(Comment B) Reference population comprises 5,362 men and women not on lipid medication enrolled in the Multi-Ethnic Study of Atherosclerosis (MESA). Mora et al. Atherosclerosis 2007.

(Comment C) Small LDL-P and LDL Size are associated with CVD risk, but not after LDL-P is taken into account.

(Comment D) Small LDL-P, LDL Size, Large HDL-P, Large VLDL-P, VLDL Size, HDL Size, HDL Particle, and LPIR score are performed and have been validated by LipoScience but not cleared by US FDA. The clinical utility of these test results has not been fully established.

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
EBV Ab VCA, IgM	<36.0 Negative <36.0 Equivocal 36.0 - 43.9 Positive >43.9		U/mL	0.0-35.9	01
V Early Antigen Ab, IgG	<9.0 Negative <9.0 Equivocal 9.0 - 10.9 Positive >10.9		U/mL	0.0-8.9	01
EBV Ab VCA, IgG	>600.0 Negative <18.0 Equivocal 18.0 - 21.9 Positive >21.9	HIGH	U/mL	0.0-17.9	01
EBV Nuclear Antigen Ab, IgG	50.1 Negative <18.0 Equivocal 18.0 - 21.9 Positive >21.9	HIGH	U/mL	0.0-17.9	01

Interpretation:

SPRCS

01

EBV Interpretation Chart

Interpretation EBV-IgM VCA-IgG EBNA-IgG EA(D)-IgG

EBV Seronegative	-	-	-	-
Early Phase	+	-	-	-
Acute Primary Infection	+	+	-	+or-
Convalescence/Past Infection	-	+	+	+or-
Reactivated Infection	+or-	+	+	+

+ Antibody Present - Antibody Absent

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
M pneumoniae IgG Abs	<100		U/mL	0-99	
	Negative: <100				
	Indeterminate: 100 - 320				
	Positive: >320				
<p>The reference interval established is intended as a baseline only. Values >100 may indicate a recent infection with Mycoplasma pneumoniae and need to be confirmed either by a positive IgM result and/or an additional specimen drawn 2-4 weeks later showing a significant increase in antibody levels.</p>					
M pneumoniae IgM Abs	<770		U/mL	0-769	
	Negative <770				
<p>Clinically significant amount of M. pneumoniae antibody not detected.</p>					
	Low Positive 770 - 950				
<p>M. pneumoniae specific IgM presumptively detected. It is recommended that another sample be collected 1-2 weeks later to assure reactivity.</p>					
	Positive >950				
<p>Highly significant amount of M. pneumoniae specific IgM antibody detected.</p>					

Lab: 02 LabCorp Burlington
1447 York Court , Burlington, NC 272153361

Director: William F Hancock, MD

For inquires, the physician may contact: Branch 800-222-7566 Lab: 205-581-3500

LAST PAGE OF REPORT