

Date and Time Collected
08/21/12 10:25

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
CBC With Differential/Platelet					
WBC	8.3		x10E3/uL	4.0 - 10.5	01
RBC	4.36		x10E6/uL	4.14 - 5.80	01
Hemoglobin	10.9	Low	g/dL	12.6 - 17.7	01
Hematocrit	33.7	Low	%	37.5 - 51.0	01
MCV	77	Low	fL	79 - 97	01
MCH	25.0	Low	pg	26.6 - 33.0	01
MCHC	32.3		g/dL	31.5 - 35.7	01
RDW	16.8	High	%	12.3 - 15.4	01
Platelets	364		x10E3/uL	140 - 415	01
Neutrophils	77	High	%	40 - 74	01
Lymphs	13	Low	%	14 - 46	01
Monocytes	8		%	4 - 13	01
Eos	1		%	0 - 7	01
Basos	1		%	0 - 3	01
Neutrophils (Absolute)	6.5		x10E3/uL	1.8 - 7.8	01
Lymphs (Absolute)	1.0		x10E3/uL	0.7 - 4.5	01
Monocytes (Absolute)	0.7		x10E3/uL	0.1 - 1.0	01
Eos (Absolute)	0.1		x10E3/uL	0.0 - 0.4	01
Baso (Absolute)	0.1		x10E3/uL	0.0 - 0.2	01
Comp. Metabolic Panel (14)					
Glucose, Serum	81		mg/dL	65 - 99	01
BUN	8		mg/dL	6 - 20	01
Creatinine, Serum	0.70	Low	mg/dL	0.76 - 1.27	01
eGFR If NonAfricn Am	121		mL/min/1.73	>59	
eGFR If Africn Am	140		mL/min/1.73	>59	
BUN/Creatinine Ratio	11			8 - 19	
Sodium, Serum	139		mmol/L	134 - 144	01
Potassium, Serum	3.9		mmol/L	3.5 - 5.2	01
Chloride, Serum	98		mmol/L	97 - 108	01

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Carbon Dioxide, Total	22		mmol/L	20 - 32	01
Calcium, Serum	9.1		mg/dL	8.7 - 10.2	01
Protein, Total, Serum	8.2		g/dL	6.0 - 8.5	01
Albumin, Serum	3.8		g/dL	3.5 - 5.5	01
Globulin, Total	4.4		g/dL	1.5 - 4.5	
A/G Ratio	0.9	Low		1.1 - 2.5	
Bilirubin, Total	0.4		mg/dL	0.0 - 1.2	01
Alkaline Phosphatase, S	50		IU/L	25 - 150	01
AST (SGOT)	22		IU/L	0 - 40	01
ALT (SGPT)	19		IU/L	0 - 55	01

TH1/TH2 Panel A

IL-2

02

Please refer to the following specimen for additional lab results.
See accession 234-665-0566-1 for results.

Lipid Panel

Cholesterol, Total	146		mg/dL	100 - 199	01
Triglycerides	49		mg/dL	0 - 149	01
HDL Cholesterol	58		mg/dL	>39	01
Comment					01

According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.

VLDL Cholesterol Cal	10		mg/dL	5 - 40
LDL Cholesterol Calc	78		mg/dL	0 - 99

Thyroxine (T4) Free, Direct, S

T4, Free (Direct)	1.23		ng/dL	0.82 - 1.77	01
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Testosterone, Serum

	357		ng/dL	348 - 1197	01
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TSH	1.750		uIU/mL	0.450 - 4.500	01
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Vitamin D, 25-Hydroxy	81.8		ng/mL	30.0 - 100.0	03
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Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).

1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.

2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.

Antinuclear Antibodies Direct

ANA Direct	Negative			Negative	03
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Sedimentation Rate-Westergren

37	High	mm/hr	0 - 15	01
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Amylase, Serum

58		U/L	31 - 124	01
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Lipase, Serum

31		U/L	0 - 59	01
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A	Test	Results	Abnormal Results	Units	Reference Range	Lab
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A courtesy copy of this report has been sent to the patient.

TH1/TH2 Panel A

	IL-2	3.68		pg/mL	0.0-60.8 NJ	
H	IL-4		8.34	pg/mL	0.0-4.1 NJ	
	IL-5	<3.20		pg/mL	0.0-4.1 NJ	
H	IL-6		12.10	pg/mL	0.0-11.9 NJ	
	IL-10	8.36		pg/mL	0.0-19.0 NJ	
	IL-12(p70)	7.22		pg/mL	0.0-8.4 NJ	
	INF-g	12.56		pg/mL	0.0-24.1 NJ	
	TNFa	9.41		pg/mL	0.0-22.3 NJ	

T Helper Pnl Comment

NJ

This test uses a kit/reagent designated by the manufacturer as for research use, not for clinical use. The performance characteristics of this test have been validated by Advanced Diagnostic Laboratories at National Jewish Health. It has not been cleared or approved by the US Food and Drug Administration. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.