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A	Test	Results	Abnormal Results	Units	Reference Range	Lab
CBC With Differential/Platelet						
	WBC	8.4		x10E3/uL	4.0-10.5	_D
L	**RBC**		**4.06**	**x10E6/uL**	**4.10-5.60**	**_D**
L	**Hemoglobin**		**11.5**	**g/dL**	**12.5-17.0**	**_D**
L	**Hematocrit**		**35.3**	**%**	**36.0-50.0**	**_D**
	MCV	87		fL	80-98	_D
	MCH	28.3		pg	27.0-34.0	_D
	MCHC	32.6		g/dL	32.0-36.0	_D
	RDW	13.1		%	11.7-15.0	_D
	Platelets	398		x10E3/uL	140-415	_D
H	**Neutrophils**		**78**	**%**	**40-74**	**_D**
L	**Lymphs**		**10**	**%**	**14-46**	**_D**
	Monocytes	10		%	4-13	_D
	Eos	1		%	0-7	_D
	Basos	1		%	0-3	_D
	Immature Cells					_D
	Neutrophils (Absolute)	6.6		x10E3/uL	1.8-7.8	_D
	Lymphs (Absolute)	0.9		x10E3/uL	0.7-4.5	_D
	Monocytes(Absolute)	0.8		x10E3/uL	0.1-1.0	_D
	Eos (Absolute)	0.1		x10E3/uL	0.0-0.4	_D
	Baso (Absolute)	0.1		x10E3/uL	0.0-0.2	_D
	Immature Granulocytes					_D
	Immature Grans (Abs)					_D
	NRBC					_D
	Hematology Comments:					_D
Comp. Metabolic Panel (14)						
	Glucose, Serum	91		mg/dL	65-99	_D
	BUN	12		mg/dL	6-20	_D
L	**Creatinine, Serum**		**0.70**	**mg/dL**	**0.76-1.27**	**_D**
	eGFR If NonAfricn Am	122		mL/min/1.73	>59	_D
	eGFR If Africn Am	141		mL/min/1.73	>59	_D
		Note: A persistent eGFR <60 mL/min/1.73 m2 (3 months or more) may indicate chronic kidney disease. An eGFR >59 mL/min/1.73 m2 with an elevated urine protein also may indicate chronic kidney disease. Calculated using CKD-EPI formula.				
	BUN/Creatinine Ratio	17			8-19	_D
	Sodium, Serum	140		mmol/L	134-144	_D
	Potassium, Serum	4.3		mmol/L	3.5-5.2	_D
	Chloride, Serum	99		mmol/L	97-108	_D
	Carbon Dioxide, Total	22		mmol/L	20-32	_D

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A	Test	Results	Abnormal Results	Units	Reference Range	Lab
	Calcium, Serum	9.3		mg/dL	8.7-10.2	_D
	Protein, Total, Serum	8.3		g/dL	6.0-8.5	_D
L	**Albumin, Serum**		**3.4**	**g/dL**	**3.5-5.5**	**_D**
H	**Globulin, Total**		**4.9**	**g/dL**	**1.5-4.5**	**_D**
L	**A/G Ratio**		**0.7**		**1.1-2.5**	**_D**
	Bilirubin, Total	0.3		mg/dL	0.0-1.2	_D
	Alkaline Phosphatase, S	43		IU/L	25-150	_D
	AST (SGOT)	17		IU/L	0-40	_D
	ALT (SGPT)	17		IU/L	0-55	_D
Urinalysis, Routine						
	Specific Gravity	1.019			1.005-1.030	_D
	pH	7.0			5.0-7.5	_D
	Urine-Color	Yellow			Yellow	_D
	Appearance	Clear			Clear	_D
	WBC Esterase	Negative			Negative	_D
	Protein	Negative			Negative/Trace	_D
	Glucose	Negative			Negative	_D
	Glucose Reflex					_D
	Ketones	Negative			Negative	_D
	Occult Blood	Negative			Negative	_D
	Bilirubin	Negative			Negative	_D
	Urobilinogen,Semi-Qn	0.2		mg/dL	0.0-1.9	_D
	Nitrite, Urine	Negative			Negative	_D
	Microscopic Examination					_D
		Microscopic follows if indicated.				
Th1 Cytokine 4 Plex Panel						
	IL-2	6.91		pg/mL	0.0-60.8	NJ
	IL-12(p70)	<3.20		pg/mL	0.0-8.4	NJ
	INF-g	5.98		pg/mL	0.0-24.1	NJ
	TNFa	10.05		pg/mL	0.0-22.3	NJ
	Cytokine Panel 1 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				

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A	Test	Results	Abnormal Results	Units	Reference Range	Lab
		perform high complexity clinical laboratory testing.				
Th2 Cytokine 4 Plex Panel						
	IL-4	<3.20		pg/mL	0.0-4.1	NJ
	IL-5	<3.20		pg/mL	0.0-4.1	NJ
H	**IL-6**		**19.98**	**pg/mL**	**0.0-11.9**	**NJ**
	IL-10	8.62		pg/mL	0.0-19.0	NJ
	Cytokine Panel 2 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.				
Lipid Panel						
	Cholesterol, Total	165		mg/dL	100-199	_D
	Triglycerides	55		mg/dL	0-149	_D
	HDL Cholesterol	57		mg/dL	>39	_D
		According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.				
	VLDL Cholesterol Cal	11		mg/dL	5-40	_D
	LDL Cholesterol Calc	97		mg/dL	0-99	_D
Testosterone,Free and Total						
L	**Testosterone, Serum**		**282**	**ng/dL**	**348-1197**	**_D**
L	**Free Testosterone(Direct)**		**8.0**	**pg/mL**	**8.7-25.1**	**BN**
TSH						
	TSH	1.160		uIU/mL	0.450-4.500	_D
Vitamin D, 25-Hydroxy						
	Vitamin D, 25-Hydroxy	95.0		ng/mL	30.0-100.0	TA
		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.				

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A	Test	Results	Abnormal Results	Units	Reference Range	Lab
		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	TA
	Uric Acid, Serum					
	Uric Acid, Serum	4.7		mg/dL	3.7-8.6	_D
					Therapeutic target for gout patients: <6.0	
	Sedimentation Rate-Westergren					
H	**Sedimentation Rate-Westergren**		**101**	**mm/hr**	**0-15**	**_D**
	Amylase, Serum					
	Amylase, Serum	54		U/L	31-124	_D
	Lipase, Serum					
	Lipase, Serum	32		U/L	0-59	_D
	C-Reactive Protein, Quant					
H	**C-Reactive Protein, Quant**		**142.8**	**mg/L**	**0.0-4.9**	**_D**

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