



5151 CORPORATE WAY  
 JUPITER, FL 33458-3101  
 (866)720-8386

Client: ACCESS MEDICAL LABS, 0 5151 CORPORATE WAY JUPITER, FL 33458	1	Patient: TEST, PATIENT	Phone: ( ) -	DOB: 01/01/1980	Age:44	Sex:F
Phys: SARA, ALAN	(561) 745-1233	Address 1:	Address 2:	City:	State:	Zip: Page:1

Acc# 005261164	Coll. Date: 11/20/24	Recv. Date: 11/20/24	Print Date: 11/20/24
Chart#	Coll. Time: 00:00 AM	Recv. Time:07:31 AM	Print Time: 15:39
First reported on:	11/20/24 14:37	Final report date:	11/20/24

Report Status: FINAL

Test Name	Results	Reference Range	Units
<b>COMPLETE BLOOD COUNT</b>			
WHITE BLOOD CELL	10.0	3.9 - 11.4	K/ul
RED BLOOD CELL	<b>3.50 L</b>	3.80 - 5.50	M/ul
HEMOGLOBIN	15	11.5 - 15.2	g/dl
HEMATOCRIT	45	37.0 - 48.0	%
MCV	85	83 - 102	fl
MCH	29.5	26.0 - 34.0	pg
MCHC	31.0	29.5 - 35.5	g/dl
RDW	<b>10.0 L</b>	11.0 - 15.5	%
PLATELET COUNT	350	140 - 400	k/ul
MPV	9.0	7.5 - 11.6	fl
<b>AUTOMATED DIFFERENTIAL</b>			
Monocyte %	10	2.0 - 13.0	%
<b>MANUAL DIFFERENTIAL</b>			
Lymphocyte %	35	Not Estab.	%
<b>HEMATOLOGY TESTS</b>			
Sedimentation Rate	2	0 - 30	mm/hr
<b>GENERAL CHEMISTRY</b>			
GLUCOSE	95	65 - 100	mg/dl
BUN	10	6 - 20	mg/dl
CREATININE, SERUM	1.0	0.5 - 1.0	mg/dl
URIC ACID	5.0	3.1 - 7.8	mg/dl
SODIUM	140	136 - 145	mmol/L
POTASSIUM	5.0	3.5 - 5.1	mmol/L
CHLORIDE	106	100 - 110	mmol/L
CO2	26	20 - 31	mmol/L
CALCIUM	9.0	8.3 - 10.6	mg/dl
TOTAL PROTEIN	6.5	5.7 - 8.2	g/dl
ALBUMIN	3.5	3.2 - 4.8	g/dl
GLOBULIN	3.0	2.2 - 3.7	g/dl
BILIRUBIN, TOTAL	1.0	0.3 - 1.2	mg/dl
ALKALINE PHOSPHATASE	45	37 - 98	U/L

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<b>GENERAL CHEMISTRY (Continued)</b>			
ALT	20	0 - 48	U/L
AST	21	0 - 32	U/L
Albumin/Globulin Ratio	1.2	0.8 - 2.0	
BUN/CREAT RATIO	N/A	7.3 - 21.7	
GFR, estimated	64		ml/min
If African-American, result is: >60			
Calculation of estimated GFR is based on the MDRD Study prediction equation			
****Five Stages of Chronic Kidney Disease****			
*Stage*	*GFR Level*	*Description*	
Stage 1	90 ml/min or more	Healthy Kidneys or Kidney damage with normal or high GFR	
Stage 2	60 to 89 ml/min	Kidney damage and mild decrease in GFR	
Stage 3	30 to 59 ml/min	Moderate decrease in GFR	
Stage 4	15 to 29 ml/min	Severe decrease in GFR	
Stage 5	< 15 ml/min	Kidney failure, or on dialysis	
<b>CARDIAC EVALUATION</b>			
CK, Total	50	34 - 145	U/L
<b>DIABETES EVALUATION</b>			
HEMOGLOBIN A1C	4.5	< 5.7	%
***Diagnosis***		***HbA1c Level***	
Normal		< 5.7 %	
Prediabetes		5.7 - 6.4 %	
Diabetes		= or > 6.5 %	
Having prediabetes is a Risk Factor for getting type 2 diabetes. Within the prediabetes range(5.7-6.4), the higher the HbA1c,the greater the risk of diabetes. HbA1c target for diabetics depend on their history and health.			
<b>IRON/ANEMIA EVALUATION</b>			
IRON	50	50 - 170	ug/dl
TOTAL IRON-BIND. CAPACITY	300	250 - 425	ug/dl
% IRON SATURATION	17	15 - 50	%
FERRITIN	20	7.3 - 270.7	ng/ml
VITAMIN B12	500	211 - 911	pg/ml

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<b>IRON/ANEMIA EVALUATION (Continued)</b>			
FOLATE, SERUM	20	5.38 - 24.0	ng/ml
<b>CORONARY RISK</b>			
TRIGLYCERIDES	100	<150	mg/dl
CHOLESTEROL, TOTAL	180	<200	mg/dl
HDL CHOLESTEROL	<b>35 L</b>	>40	mg/dl
LDL CHOLESTEROL, calc..	<b>127 H</b>	<100	mg/dl
CHOL/HDL RATIO	<b>5.1 H</b>	<4.4	
The higher the Ratio,the higher CHD risk.			
CRP, Cardio	2.0	<3	mg/L
**Risk of Cardiovascular Disease**			
	Low Risk	CRP < 1.0	mg/L
	Medium Risk	CRP 1.0 - 3.0	mg/L
	High Risk	CRP > 3.0	mg/L
HOMOCYSTEINE	10	4.5 - 15.0	umol/L
Ideal level <8.0 umol/L			
LIPOPROTEIN (a)	12	<30	mg/dl
PLAC (Lp-PLA2)	68	< 250	U/L
<p>PLAC (Lp-PLA2) is a specific marker of vascular inflammation associated with atherosclerosis. It is also a marker for Cardiac disease and Stroke. On Oct. 31,2016 we transitioned to the FDA approved Diadexus traced calibration method. As a result of this transition the reference range has been changed to the following: &lt; 250 U/L            This result cannot be compared with previous results, before 10/31/2016.</p>			
Vitamin D,25-OH,Total	<b>29 L</b>	30 - 100	ng/ml
<p>Notes:            Therapy is based on the measurement of Total Vitamin D (25-OH).            Most experts agree that Vitamin D deficiency should be = or &lt; 20 ng/ml.            (Continued on Next Page)</p>			



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**CORONARY RISK (Continued)**

Vitamin D insufficiency is recognized as 21 - 29 ng/ml.  
 The preferred level for Vitamin D (25-OH) is recommended to be 30 - 100 ng/ml.  
 Vitamin D > 150 ng/ml is considered potentially toxic.

**THYROID TESTING**

Reverse T3, LC/MS/MS	10	5.0 - 25.0	ng/dL
T3, FREE	2.3	2.3 - 4.2	pg/ml
T4, FREE	1.3	0.89 - 1.76	ng/dl
TSH	1.020	0.550 - 4.780	uIU/ml
THYROID PEROXIDASE Abs	35	<60	IU/ml
THYROGLOBULIN Abs	12.0	<60	IU/ml

**TUMOR MARKERS**

CEA	2.0	<3.5	ng/ml
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The above test is performed by Siemens Atellica IA. Patient results performed by different assay methods may not be comparable.

**ENDOCRINE EVALUATION**

FSH	12		mIU/ml
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**\*\*Female Reference Ranges\*\***

Follicular Phase	2.5 - 10.2	mIU/mL
Mid Cycle Peak	3.4 - 33.4	mIU/mL
Luteal Phase	1.5 - 9.1	mIU/mL
Pregnant	< 0.3	mIU/mL
Post Menopausal	23.0 - 116.3	mIU/mL

LH	5.0		mIU/ml
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**\*\*Female Reference Ranges\*\***

Follicular Phase	1.9 - 12.5	mIU/mL
Mid Cycle Peak	8.7 - 76.3	mIU/mL

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<b>ENDOCRINE EVALUATION (Continued)</b>			
	Luteal Phase	0.5 - 16.9	mIU/mL
	Pregnant	<0.1 - 1.5	mIU/mL
	Post Menopausal	5.0 - 55.2	mIU/mL
PROGESTERONE		35	ng/mL
	**Female Reference Ranges**		
	Follicular phase	0.00 - 1.40	ng/mL
	Luteal phase	3.34 - 25.56	ng/mL
	Mid-luteal phase	4.44 - 28.03	ng/mL
	Postmenopausal	0.00 - 0.73	ng/mL
	**Pregnant**		
	First trimester	11.22 - 90.00	ng/mL
	Second trimester	25.55 - 89.40	ng/mL
	Third trimester	48.40 - 422.5	ng/mL
PREGNENOLONE, LC/MS/MS		23	2.5 - 75.0 ng/dL
	Effective 3/13/17, Pregnenolone is performed in-house on LC/MS/MS.		
ESTRADIOL, LC/MS		400	<440 pg/mL
	Premenopausal - Follicular	39.0 - 375.0	pg/mL
	Premenopausal - Luteal	48.0 - 440.0	pg/mL
	Postmenopausal	< 10.0	pg/mL
DHEA-SULFATE		25 L	25.9 - 460.2 ug/dl
DIHYDROTTESTOSTERONE LC/MS		15	<30.0 ng/dL
TESTOSTERONE, TOTAL LC/MS		45	7.0 - 55.0 ng/dL
	Premenopausal	10.0 - 55.0	ng/dL
	Postmenopausal	7.0 - 40.0	ng/dL
SEX HORMONE BIND GLOBULIN		65	nmol/L

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**ENDOCRINE EVALUATION (Continued)**

**\*\*Female Reference Ranges\*\***

Premenopausal 11 - >180.00 nmol/L  
 Postmenopausal 23 - 159 nmol/L

IGF-1	120	113 - 172	ng/mL
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Access Medical Laboratories uses Siemens Healthcare Diagnostics as the supplier for IGF-1 Immunoassay Testing System. Siemens Introduced a Restandardization of IGF-1 assay using WHO 1st International Standard (IS), NIBSC Code 02/254.

CORTISOL	20		ug/dl
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**\*\*Normal individuals\*\***

Morning am 7-9: 5.2 - 22.5 ug/dL  
 Afternoon pm 3-5 : 3.4 - 16.8 ug/dL

Testosterone, Free LC/MS Lab Developed Testing	0.5 *****	0.2 - 2.6	ng/dl
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Serum Pregnenolone, DHT, Estrone, Estriol, RT3, CO-Q10, Total Testosterone LC/MS, Androstenedione LC/MS, Progesterone LC/MS, and Estradiol LC/MS were developed and their performance characteristics determined by Access Medical Laboratories.

It has not been cleared or approved by the FDA.  
 The laboratory is regulated under CLIA and qualified to perform high-complexity testing. These tests are used for clinical purposes.  
 It should not be regarded as investigational or for research.

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**AUTO IMMUNE.**

**Antinuclear Antibodies, MFI**

ANA Screen	NEGATIVE	NEGATIVE	
ANA INTERPRETATION GUIDE	*****		
CLINICAL SUSPICION	ANTI NUCLEAR AUTO ANTIBODIES INVOLVED		
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SLE	ANTI-dsDNA, ANTI-Sm, ANTI-RIBOSOMAL P, ANTI-CHROMATIN, ANTI-SSA (one or more positive)		
SCLERODERMA	ANTI-SCL-70, ANTI-CENTROMERE (one or both positive)		
SJOGREN'S SYNDROME	ANTI-SS-A, ANTI-SS-B (both positive)		
POLYMYOSITIS OR	ANTI-JO-1		
DERMATOMYOSITIS			
DRUG-INDUCED LUPUS	ANTI-CHROMATIN (no further testing)		
MIXED CONNECTIVE	ANTI-SM/RNP, ANTI-RNP, ANTI-CHROMATIN		
TISSUE DISEASE (MCTD)	(at least RNP positive)		

**METALS EVALUATION**

Magnesium, Packed RBC	5.0	4.20 - 6.80	mg/dL
Zinc, Packed RBC	800	794.0 - 1470	ug/dL
Lab Developed Test	*****		

All Metal Testing on ICP-MS/MS were developed and their performance characteristic determined by Access Medicals Labs. They have not been cleared or approved by the FDA.  
 The laboratory is regulated under CLIA and qualified to perform high complexity testing. These tests are used for clinical purposes.  
 They should not be regarded as investigational or for research.

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IODINE	20	*1
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COMMENTS:

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*\*1) Unless otherwise noted, Tests Performed at :  
 LABCORP, 5610 WEST LA SALLE STREET, TAMPA, FL 33607*

