



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

Client: ACCESS MEDICAL LABORATORI 1 5151 CORPORATE WAY JUPITER, FL 33458	Patient: TEST, REVIVE Room# _____ DOB. 01/01/1980 Phone: () - _____ Age:38 Sex:F ID#: A1804001453930 Fasting: N Route#: 0
Phys: SARA, ALAN (561) 745-1233	Page:1

Acc# 001453930	Coll. Date: 04/27/18	Recv. Date: 04/27/18	Print Date: 05/14/18
Chart#	Coll. Time: 00:00 AM	Recv. Time:14:03:20	Print Time: 11:53
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Test Name	Results	Normal Range	Units
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Report Status: FINAL

COMPLETE BLOOD COUNT

WHITE BLOOD CELL	6.0	3.9 - 11.4	K/ul
RED BLOOD CELL	12.0 H	3.8 - 5.5	M/ul
HEMOGLOBIN	12.0	11.5 - 15.2	g/dl
HEMATOCRIT	40	34.0 - 47.0	%
MCV	80	80.0 - 100.0	fl
MCH	30	26.0 - 34.0	pg
MCHC	30 L	31.0 - 37.0	g/dl
RDW	15	11.0 - 15.5	%
PLATELET COUNT	150	140 - 400	k/ul
MPV	15 H	7.5 - 11.6	fl

DIFFERENTIAL

GR%	80 H	38 - 75	%
LY%	19	15 - 49	%
MO%	0.0 L	2.0 - 13.0	%
EO%	1	0 - 8	%
BA%	10 H	0 - 2	%
GR#	1000 H	1.6 - 8.4	K/ul
LY#	200 H	1.0 - 3.6	K/ul
MO#	0.0	0.0 - 0.9	K/ul
EO#	2 H	0.0 - 0.6	K/ul
BA#	0.0	0.0 - 0.2	K/ul

GENERAL CHEMISTRY

GLUCOSE	100	65 - 100	mg/dl
BUN	10	6 - 20	mg/dl
CREATININE, SERUM	1.0	0.55 - 1.02	mg/dl
SODIUM	140	136 - 145	mmol/L
POTASSIUM	4.0	3.5 - 5.1	mmol/L
CHLORIDE	100	98 - 107	mmol/L
CO2	20	20 - 31	mmol/L
CALCIUM	10	8.3 - 10.6	mg/dl
TOTAL PROTEIN	7.0	5.7 - 8.2	g/dl
ALBUMIN	4.0	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	100 H	37 - 98	U/L
ALT	100 H	< 49	U/L

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GENERAL CHEMISTRY (Continued)

AST	100 H	<33	U/L
Albumin/Globulin Ratio	1.3	0.8 - 2.0	
BUN/CREAT RATIO	N/A	7.3 - 21.7	
GFR, estimated	66		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

DIABETES EVALUATION

HEMOGLOBIN A1C	8.0 H	< 5.7	%
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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.

IRON/ANEMIA EVALUATION

FERRITIN	100	10.0 - 322	ng/ml
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CORONARY RISK

TRIGLYCERIDES	100	<150	mg/dl
CHOLESTEROL, TOTAL	100	<200	mg/dl
HDL CHOLESTEROL	40 L	>40	mg/dl
LDL CHOLESTEROL, calc.	40	<100	mg/dl
CHOL/HDL RATIO	2.5	<4.4	

The higher the Ratio,the higher CHD risk.

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CORONARY RISK (Continued)

CRP, Cardio	10 H	<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
Vitamin D,25-OH,Total	100	30.00 - 100	ng/ml

Notes:
 Therapy is based on the measurement of Total Vitamin D (25-OH).
 Most experts agree that Vitamin D deficiency should be = or < 20 ng/ml.
 Vitamin D insufficiency is recognized as 21 - 29 ng/ml.
 The preferred level for Vitamin D (25-OH) is recommended to be = or >30 ng/ml

THYROID TESTING

T3, FREE	1.0 L	2.3 - 4.2	pg/ml
T4, FREE	1.0	0.89 - 1.76	ng/dl
TSH	10.000 H	0.55 - 4.78	U/ml

ENDOCRINE EVALUATION

FSH	100		mIU/ml
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****Female Reference Ranges****

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

Effective Jan 1st 2018, Access Medical Labs will be using Siemens testing.
 Please be aware of the new reference ranges.

LH	10		mIU/ml
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ENDOCRINE EVALUATION (Continued)

****Female Reference Ranges****

Follicular Phase	1.9 - 12.5	IU/L
Mid Cycle Peak	8.7 - 76.3	IU/L
Luteal Phase	0.5 - 16.9	IU/L
Pregnant	<0.1 - 1.5	IU/L
Post Menopausal	5.0 - 55.2	IU/L

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PROGESTERONE 10 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

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ESTRONE (E1) 100 < 200 pg/ml.
 ESTRADIOL (E2) 10 pg/mL

****Female Reference Ranges****

Menstruating females (by day in cycle relative to LH peak)



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ENDOCRINE EVALUATION (Continued)

Follicular Phase	(-12 to -4 days)	19.5 - 144.2	pg/mL
Mid Cycle Peak	(-3 to +2 days)	63.9 - 356.7	pg/mL
Luteal Phase	(+4 to +12 days)	55.8 - 214.2	pg/mL
Post Menopausal	(untreated)	0.00 - 32.2	pg/mL

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ESTRIOL (E3)	100 H	<0.1	ng/ml
DHEA-SULFATE	10 L	25.9 - 460.2	ug/dl
DIHYDROTOSTERONE	100 H	<30.0	ng/dL
TESTOSTERONE, TOTAL	100 H	6 - 82	ng/dl

****Female Reference Ranges****

Premenopausal	9.01 - 47.94	ng/dL
Postmenopausal	<7.00 - 45.62	ng/dL

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SEX HORMONE BIND GLOBULIN	50	nmol/L
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****Female Reference Ranges****

Premenopausal	10.84 - >180.0	nmol/L
Postmenopausal	23.15 - 159.07	nmol/L

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ENDOCRINE EVALUATION (Continued)

TESTOSTERONE, FREE	1.44	0.2 - 2.6	ng/dl
IGF-1	100 L	124 - 181	ng/mL

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.

Starting 01/25/2017 we will be implementing the new restandardized IGF-1 assay for testing Patients. New Reference Ranges will reflect expected lower values for patient IGF-1 results.

IGFBP-3	3.0	1.6 - 6.5	ug/ml
CORTISOL	10.0		ug/dl

****Normal individuals****

Morning am 6-10: 6.02 - 18.4 ug/dL
 Afternoon pm 4-8 : 2.68 - 10.5 ug/dL

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