

ACCOUNT NUMBER	ACCOUNT NAME #	PATIENT NAME	
ORDERING PHYSICIAN		PATIENT ID #	D.O.B.

Result Name	Normal	Abnormal	Ref. Range
PSA	0.7		<4.0 ng/mL
Free T3 (FT3)	3.7		2.3-4.2 pg/mL
Vitamin B-12, Serum	423		250-900 pg/mL
FSH, Serum		0.6 L	1.4-18.1 mIU/mL
TSH	1.09		0.30-5.00 uIU/mL

Note: Reference range change
 Assay performed by SIEMENS Centaur
 3rd generation TSH

Chemistry

Hemoglobin A1c		
Glycated Hemoglobin	5.1	<5.7 %
A1C Interpretation	Normal	
ADA Guidelines: Diabetes Care, Vol. 34, Supplement 1, S62		
Est. Avg. Glucose	100	<117 mg/dL
ADAG study, Diabetes Care, 2008, 31:1473		
A1C Comment	Test performed by Boronate Affinity Chromatography. Note: Hemoglobin F>10% and conditions that shorten red cell survival may decrease results. Iron deficiency anemia may falsely elevate results.	

Special Chemistry

Estradiol, Serum	<15	<40 pg/mL
Note: Reference range change		
Insulin, Serum	10	<14 uIU/mL
DHEAS, Serum	2254	700-5690 ng/mL
Note: Reference range change		
Free Testo Eval		
Testosterone, Total	737	175-781 ng/dL
Sex Hormone Bind Gl.	18.7	13.3-89.5 nmol/L
Free Androgen Index	136.8 H	24.3-110.2 %
Calc Free Testo	21.6 H	3.2-19.0 ng/dL
Calc Bioav. Testo	506.1 H	80.7-446.7 ng/dL
Testo Eval Comment	Free and Bioavailable Testosterone calculated using Vermeulen formula and assumes an Albumin of 4.3 g/dL. A link to the calculator can be found at test TTEV on the electronic HFHS Laboratory Users Guide. Note: Reference range change	

Send Outs

ACTH, Plasma	<5.0	< 46 pg/mL
(NOTE)		

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03/13/2013

Lab Report

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ACCOUNT NUMBER	ACCOUNT NAME #	PATIENT NAME	
ORDERING PHYSICIAN		PATIENT ID #	D.O.B.

Result Name	Normal	Abnormal	Ref. Range
IGF-1	279		109-284 ng/mL

(NOTE)

Tanner Stages and IGF-1 in children

Tanner Stages	Female IGF-1 (ng/mL)	Male IGF-1 (ng/mL)
I	49-342	63-279
II	115-428	75-420
III	145-760	94-765
IV	244-787	192-861
V	143-859	171-814

Test performed at Warde Medical Laboratory,
Ann Arbor, MI 48108

ABNORMAL SUMMARY

Platelet Count	146 L	150-450 K/uL
Lymphocyte, Abs.	1.00 L	1.10-4.00 K/uL
LH, Serum	<0.1 L	1.5-9.3 mIU/mL
FSH, Serum	0.6 L	1.4-18.1 mIU/mL
Free Androgen Index	136.8 H	24.3-110.2 %
Calc Free Testo	21.6 H	3.2-19.0 ng/dL
Calc Bioav. Testo	506.1 H	80.7-446.7 ng/dL

ACCOUNT NUMBER	ACCOUNT NAME #	PATIENT NAME	
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Result Name	Normal	Abnormal	Ref. Range
AST/SGOT	25		<35 IU/L
ALT/SGPT	31		<78 IU/L
Alkaline Phosphatase	52		0-100 IU/L
Bilirubin, Total	0.6		<1.2 mg/dL
Calcium, Serum	9.3		8.2-10.2 mg/dL
Protein, Total, Serum	7.1		6.4-8.2 g/dL
Albumin, Serum	4.4		3.7-4.8 g/dL
Globulin	2.7		2.5-4.1 g/dL
A/G Ratio	1.6		0.9-1.8
Corrected Calcium	9.3		8.7-10.1 mg/dL
GFR NonAfrican Amer	116		>60 ml/min/1.73m2
GFR African Amer	>120		>60 ml/min/1.73m2

GFR results reported as >60 can be regarded as normal, i.e., above minimum reference level for renal function.
(NOTE)

GFR formula clinically validated in patient's age 18 to 70. GFR calculated using the CKD-EPI equation
Reference: AJKD Vol.39, Sup.1 2002, pgs. S46 to S75
For more information, please visit the Henry Ford Health Systems's Pathology Department's electronic Laboratory User's Guide, search for GFR and see the links to the National Kidney Foundations GFR calculators at the bottom.

Special Chemistry

Vitamin D		
25-Hydroxy Vit.D	35	>20 ng/mL
Vitamin D deficiency	< 10 ng/mL	
Vitamin D insufficiency	10 to 20 ng/mL	
Vitamin D toxicity (possible)	>150 ng/mL	

Revised Reference Range (Source: Institute of Medicine, November 2010)
Assay performed by SIEMENS Centaur

Cortisol, Serum	11.4	4.3-22.4 ug/dL
Reference is A.M. cortisol. Normal P.M. cortisol values are approximately 50% of same day A.M. value.		
Method restandardized to gas chromatography-mass spectrometry, May 2010		
Progesterone, Serum	<0.2	<0.6 ng/mL
Free T4 (FT4)	1.21	0.80-1.80 ng/dL
LH, Serum		<0.1 L 1.5-9.3 mIU/mL
Prolactin, Serum	4.6	<25.0 ng/mL
PSA, Screening		

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Result Name	Normal	Abnormal	Ref. Range
OTHER			
CBC & Diff			3.8-10.6 K/uL
WBC Count	5.4		4.40-6.00 M/uL
RBC Count	4.52		13.5-17.0 g/dL
Hemoglobin	14.0		41-53 %
Hematocrit	42.0		80-100 fl
MCV	92.8		26-34 pg
MCH	31.0		31-37 g/dL
MCHC	33.3		<14.5 %
RDW	14.4		150-450 K/uL
Platelet Count	230	146 L	%
Neutrophil, %	70		%
Lymphocyte, %	18		%
Monocyte, %	8		%
Eosinophil, %	3		%
Basophil, %	1		%
Neutrophil, Abs.	3.80		1.80-7.70 K/uL
Lymphocyte, Abs.		1.00 L	1.10-4.00 K/uL
Monocyte, Abs.	0.50		0.00-0.80 K/uL
Eosinophil, Abs.	0.20		0.00-0.70 K/uL
Basophil, Abs.	0.00		0.00-0.20 K/uL
Nucleated Red Cell	0		0 /100 WBC

Chemistry			
Biochem Profile			50-140 mg/dL
Glucose	78		
If fasting, glucose reference range =	70 to 100 mg/dL		
Sodium	138		135-145 mmol/L
Potassium	4.5		3.5-5.0 mmol/L
Chloride	104		98-111 mmol/L
Carbon Dioxide	25		21-35 mmol/L
Anion Gap	9		3-13
BUN	16		10-25 mg/dL
Creatinine	0.74		<1.13 mg/dL

IDMS Standardized. Note reference range change effective Jan 4, 2012.

Diagnosis & treatment

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