

Patient Details

DOB: [REDACTED]/1978
Age(y/m/d): 036/04/09
Gender: M **SSN:** [REDACTED]
Patient ID: [REDACTED]

Specimen Details

Date collected: 10/09/2014 1606 Local
Date entered: 10/09/2014
Date reported: 10/13/2014 1317 ET

Physician Details

Ordering: XXXXXXXXXX
Referring: XXXXXXXXXX
ID: XXXXXXXXXX
NPI: XXXXXXXXXX

General Comments & Additional Information

Total Volume: Not Provided

Fasting: No

Ordered Items

Hepatic Function Panel (7); Iron and TIBC; Testosterone, Free and Total; Vitamin B12 and Folate; TSH; FSH and LH; Thyroxine (T4) Free, Direct, S; Prolactin; Estradiol; Antithyroglobulin Ab; IGF-1; Reverse T3, Serum; Vitamin D, 25-Hydroxy; Estradiol, Sensitive; Thyroxine (T4); Triiodothyronine (T3); Thyroid Peroxidase (TPO) Ab; Triiodothyronine, Free, Serum; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Hepatic Function Panel (7)					
Protein, Total, Serum	7.4		g/dL	6.0 - 8.5	01
Albumin, Serum	4.8		g/dL	3.5 - 5.5	01
Bilirubin, Total	0.3		mg/dL	0.0 - 1.2	01
Bilirubin, Direct	0.11		mg/dL	0.00 - 0.40	01
Alkaline Phosphatase, S	128	High	IU/L	39 - 117	01
AST (SGOT)	56	High	IU/L	0 - 40	01
ALT (SGPT)	70	High	IU/L	0 - 44	01
Iron and TIBC					
Iron Bind.Cap. (TIBC)	341		ug/dL	250 - 450	
UIBC	259		ug/dL	150 - 375	01
Iron, Serum	82		ug/dL	40 - 155	01
Iron Saturation	24		%	15 - 55	
Testosterone,Free and Total					
Testosterone, Serum	876		ng/dL	348 - 1197	01
Comment:					
Adult male reference interval is based on a population of lean males up to 40 years old.					
Free Testosterone(Direct)	28.3	High	pg/mL	8.7 - 25.1	02
Vitamin B12 and Folate					
Vitamin B12	926		pg/mL	211 - 946	01
Folate (Folic Acid), Serum	15.7		ng/mL	>3.0	01
Note:					
A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.					
TSH	2.800		uIU/mL	0.450 - 4.500	01
FSH and LH					
LH	<0.2	Low	mIU/mL	1.7 - 8.6	01

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
FSH	<0.2	Low	mIU/mL	1.5 - 12.4	01
Thyroxine (T4) Free, Direct, S					
T4,Free (Direct)	0.74	Low	ng/dL	0.82 - 1.77	01
Prolactin	16.3	High	ng/mL	4.0 - 15.2	01
Estradiol	66.9	High	pg/mL	7.6 - 42.6	01
Roche ECLIA methodology					
Antithyroglobulin Ab					
Thyroglobulin, Antibody	<1.0		IU/mL	0.0 - 0.9	01
Please Note:					01
Low positive Thyroglobulin antibodies are seen in a portion of the asymptomatic populations.					
Antithyroglobulin antibodies measured by Beckman Coulter Methodology					
IGF-1					
Insulin-Like Growth Factor I	282	High	ng/mL	83 - 233	02
Reverse T3, Serum	10.4		ng/dL	9.2 - 24.1	02
Vitamin D, 25-Hydroxy	30.4		ng/mL	30.0 - 100.0	01
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.					
Estradiol, Sensitive	37		pg/mL	3 - 70	02
			Male Female		
	0- 6 yrs.		0 - 15 0 - 15		
	7-10 yrs.		0 - 15 0 - 70		
	11-12 yrs.		0 - 40 10 - 300		
	13-15 yrs.		0 - 45 10 - 300		
	>15 yrs.		3 - 70 See Below		
	Ovulating Female				
	Follicular Phase			9 - 175	
	Luteal Phase			44 - 196	
	Periovulatory			107 - 281	
	Oral Contraceptives			0 - 91	
	Postmenopausal				
	Treated			42 - 289	
	Untreated			0 - 19	

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TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Estradiol results obtained with different assay methods cannot be used interchangeably. It is recommended that only one assay method be used consistently to monitor serial patient results.					
Thyroxine (T4)	4.5		ug/dL	4.5 - 12.0	01
Triiodothyronine (T3)	138		ng/dL	71 - 180	01
Thyroid Peroxidase (TPO) Ab	11		IU/mL	0 - 34	01
Triiodothyronine, Free, Serum	3.7		pg/mL	2.0 - 4.4	01

01	MB	LabCorp Birmingham 1801 First Avenue South, Birmingham, AL 35233-1935	John Elgin, MD
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For inquiries, the physician may contact **Branch: 850-434-0345 Lab: 205-581-3500**