

General Comments & Additional Information

Total Volume: Not Provided

Fasting: Yes

Ordered Items

T4F+T3F; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel; FSH and LH; Testosterone, Free and Total; Dihydrotestosterone; DHEA-Sulfate; TSH; Prolactin; Estradiol; Prostate-Specific Ag, Serum; Vitamin D, 25-Hydroxy; GGT; Magnesium; Sex Horm Binding Glob, Serum; Cortisol - AM; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
T4F+T3F					
Triiodothyronine (T3), Free	2.9		pg/mL	2.0 - 4.4	01
T4, Free (Direct)	0.85		ng/dL	0.82 - 1.77	01
CBC With Differential/Platelet					
WBC	5.9		x10E3/uL	3.4 - 10.8	01
RBC	4.99		x10E6/uL	4.14 - 5.80	01
Hemoglobin	15.3		g/dL	13.0 - 17.7	01
Hematocrit	45.4		%	37.5 - 51.0	01
MCV	91		fL	79 - 97	01
MCH	30.7		pg	26.6 - 33.0	01
MCHC	33.7		g/dL	31.5 - 35.7	01
RDW	13.9		%	12.3 - 15.4	01
Platelets	183		x10E3/uL	150 - 379	01
Neutrophils	59		%	Not Estab.	01
Lymphs	26		%	Not Estab.	01
Monocytes	12		%	Not Estab.	01
Eos	2		%	Not Estab.	01
Basos	1		%	Not Estab.	01
Neutrophils (Absolute)	3.5		x10E3/uL	1.4 - 7.0	01
Lymphs (Absolute)	1.6		x10E3/uL	0.7 - 3.1	01
Monocytes (Absolute)	0.7		x10E3/uL	0.1 - 0.9	01
Eos (Absolute)	0.1		x10E3/uL	0.0 - 0.4	01
Baso (Absolute)	0.1		x10E3/uL	0.0 - 0.2	01
Immature Granulocytes	0		%	Not Estab.	01
Immature Grans (Abs)	0.0		x10E3/uL	0.0 - 0.1	01
Comp. Metabolic Panel (14)					
Glucose	99		mg/dL	65 - 99	01
BUN	19		mg/dL	6 - 24	01

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Creatinine	0.85		mg/dL	0.76 - 1.27	01
eGFR If NonAfricn Am	107		mL/min/1.73	>59	
eGFR If Africn Am	123		mL/min/1.73	>59	
BUN/Creatinine Ratio	22	High		9 - 20	
Sodium	142		mmol/L	134 - 144	01
Potassium	5.2		mmol/L	3.5 - 5.2	01
Chloride	100		mmol/L	96 - 106	01
Carbon Dioxide, Total	26		mmol/L	20 - 29	01
Please note reference interval change					
Calcium	9.4		mg/dL	8.7 - 10.2	01
Protein, Total	6.2		g/dL	6.0 - 8.5	01
Albumin	4.3		g/dL	3.5 - 5.5	01
Globulin, Total	1.9		g/dL	1.5 - 4.5	
A/G Ratio	2.3	High		1.2 - 2.2	
Bilirubin, Total	0.4		mg/dL	0.0 - 1.2	01
Alkaline Phosphatase	65		IU/L	39 - 117	01
AST (SGOT)	22		IU/L	0 - 40	01
ALT (SGPT)	30		IU/L	0 - 44	01
Lipid Panel					
Cholesterol, Total	191		mg/dL	100 - 199	01
Triglycerides	77		mg/dL	0 - 149	01
HDL Cholesterol	55		mg/dL	>39	01
VLDL Cholesterol Calc	15		mg/dL	5 - 40	
LDL Cholesterol Calc	121	High	mg/dL	0 - 99	
FSH and LH					
LH	0.1	Low	mIU/mL	1.7 - 8.6	01
FSH	<0.2	Low	mIU/mL	1.5 - 12.4	01
Testosterone, Free and Total					
Testosterone, Serum	1118	High	ng/dL	264 - 916	01
Adult male reference interval is based on a population of healthy nonobese males (BMI <30) between 19 and 39 years old. Travison, et.al. JCEM 2017,102;1161-1173. PMID: 28324103.					
Free Testosterone (Direct)	29.2	High	pg/mL	6.8 - 21.5	01
Dihydrotestosterone	57		ng/dL		02
Reference Range: Adult Male: 30 - 85					
DHEA-Sulfate	244.9		ug/dL	102.6 - 416.3	01
TSH	0.801		uIU/mL	0.450 - 4.500	01

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Prolactin	9.9		ng/mL	4.0 - 15.2	01
Estradiol Roche ECLIA methodology	76.4	High	pg/mL	7.6 - 42.6	01
Prostate-Specific Ag, Serum					
Prostate Specific Ag, Serum Roche ECLIA methodology.	0.4		ng/mL	0.0 - 4.0	01
According to the American Urological Association, Serum PSA should decrease and remain at undetectable levels after radical prostatectomy. The AUA defines biochemical recurrence as an initial PSA value 0.2 ng/mL or greater followed by a subsequent confirmatory PSA value 0.2 ng/mL or greater. Values obtained with different assay methods or kits cannot be used interchangeably. Results cannot be interpreted as absolute evidence of the presence or absence of malignant disease.					
Vitamin D, 25-Hydroxy	46.9		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.					
GGT	14		IU/L	0 - 65	01
Magnesium	1.8		mg/dL	1.6 - 2.3	01
Sex Horm Binding Glob, Serum	34.7		nmol/L	16.5 - 55.9	01
Cortisol - AM	6.0	Low	ug/dL	6.2 - 19.4	01

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