

Ordered Items: CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel With LDL/HDL Ratio; PSA Total+% Free; Vitamin B12 and Folate; FSH and LH; Testosterone,Free and Total; DHEA-Sulfate; Prolactin; Estradiol; IGF-1; Sex Horm Binding Glob, Serum; Venipuncture

Date Collected: 07/06/2022	Date Received: 07/06/2022	Date Reported: 07/08/2022	Fasting: Yes
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CBC With Differential/Platelet

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
WBC ⁰¹	5.8	4.7 04/22/2022	x10E3/uL	3.4-10.8
RBC ⁰¹	4.66	4.47 04/22/2022	x10E6/uL	4.14-5.80
Hemoglobin ⁰¹	14.4	13.8 04/22/2022	g/dL	13.0-17.7
Hematocrit ⁰¹	43.0	41.4 04/22/2022	%	37.5-51.0
MCV ⁰¹	92	93 04/22/2022	fL	79-97
MCH ⁰¹	30.9	30.9 04/22/2022	pg	26.6-33.0
MCHC ⁰¹	33.5	33.3 04/22/2022	g/dL	31.5-35.7
RDW ⁰¹	13.8	13.5 04/22/2022	%	11.6-15.4
Platelets ⁰¹	157	158 04/22/2022	x10E3/uL	150-450
Neutrophils ⁰¹	66	67 04/22/2022	%	Not Estab.
Lymphs ⁰¹	20	23 04/22/2022	%	Not Estab.
Monocytes ⁰¹	7	6 04/22/2022	%	Not Estab.
Eos ⁰¹	6	3 04/22/2022	%	Not Estab.
Basos ⁰¹	1	1 04/22/2022	%	Not Estab.
Neutrophils (Absolute) ⁰¹	4.0	3.1 04/22/2022	x10E3/uL	1.4-7.0
Lymphs (Absolute) ⁰¹	1.1	1.1 04/22/2022	x10E3/uL	0.7-3.1
Monocytes(Absolute) ⁰¹	0.4	0.3 04/22/2022	x10E3/uL	0.1-0.9
Eos (Absolute) ⁰¹	0.3	0.2 04/22/2022	x10E3/uL	0.0-0.4
Baso (Absolute) ⁰¹	0.0	0.0 04/22/2022	x10E3/uL	0.0-0.2
Immature Granulocytes ⁰¹	0	0 04/22/2022	%	Not Estab.
Immature Grans (Abs) ⁰¹	0.0	0.0 04/22/2022	x10E3/uL	0.0-0.1

Comp. Metabolic Panel (14)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Glucose ⁰¹	101 High	92 04/22/2022	mg/dL	65-99
BUN ⁰¹	18	17 04/22/2022	mg/dL	8-27
Creatinine ⁰¹	1.13	1.33 04/22/2022	mg/dL	0.76-1.27
eGFR	73	60 04/22/2022	mL/min/1.73	>59
BUN/Creatinine Ratio	16	13 04/22/2022		10-24
Sodium ⁰¹	141	146 04/22/2022	mmol/L	134-144
Potassium ⁰¹	3.8	4.0 04/22/2022	mmol/L	3.5-5.2
Chloride ⁰¹	100	103 04/22/2022	mmol/L	96-106
Carbon Dioxide, Total ⁰¹	25	23 04/22/2022	mmol/L	20-29
Calcium ⁰¹	9.5	9.4 04/22/2022	mg/dL	8.6-10.2
Protein, Total ⁰¹	7.1	6.5 04/22/2022	g/dL	6.0-8.5
Albumin ⁰¹	4.8	4.7 04/22/2022	g/dL	3.8-4.8
Globulin, Total	2.3	1.8 04/22/2022	g/dL	1.5-4.5

Comp. Metabolic Panel (14) (Cont.)

A/G Ratio	2.1	2.6	04/22/2022		1.2-2.2
Bilirubin, Total ⁰¹	0.5	0.5	04/22/2022	mg/dL	0.0-1.2
Alkaline Phosphatase ⁰¹	68	76	04/22/2022	IU/L	44-121
AST (SGOT) ⁰¹	30	38	04/22/2022	IU/L	0-40
ALT (SGPT) ⁰¹	36	31	04/22/2022	IU/L	0-44

Lipid Panel With LDL/HDL Ratio

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
Cholesterol, Total ⁰¹	173		144	04/22/2022	mg/dL	100-199
Triglycerides ⁰¹	142		88	04/22/2022	mg/dL	0-149
▼ HDL Cholesterol ⁰¹	39	Low	32	04/22/2022	mg/dL	>39
VLDL Cholesterol Cal	25		17	04/22/2022	mg/dL	5-40
▲ LDL Chol Calc (NIH)	109	High	95	04/22/2022	mg/dL	0-99
LDL/HDL Ratio	2.8		3.0	04/22/2022	ratio	0.0-3.6
Please Note: ⁰¹						
LDL/HDL Ratio						
Men Women						
1/2 Avg.Risk 1.0 1.5						
Avg.Risk 3.6 3.2						
2X Avg.Risk 6.2 5.0						
3X Avg.Risk 8.0 6.1						

PSA Total+% Free

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval																		
Prostate Specific Ag ⁰¹	1.3		1.3	04/22/2022	ng/mL	0.0-4.0																		
Roche ECLIA methodology. 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.																								
PSA, Free ⁰¹	0.31		0.35	04/22/2022	ng/mL	N/A																		
Roche ECLIA methodology.																								
% Free PSA	23.8		26.9	04/22/2022	%																			
The table below lists the probability of prostate cancer for men with non-suspicious DRE results and total PSA between 4 and 10 ng/mL, by patient age (Catalona et al, JAMA 1998, 279:1542).																								
<table><tr><td>% Free PSA</td><td>50-64 yr</td><td>65-75 yr</td></tr><tr><td>0.00-10.00%</td><td>56%</td><td>55%</td></tr><tr><td>10.01-15.00%</td><td>24%</td><td>35%</td></tr><tr><td>15.01-20.00%</td><td>17%</td><td>23%</td></tr><tr><td>20.01-25.00%</td><td>10%</td><td>20%</td></tr><tr><td>>25.00%</td><td>5%</td><td>9%</td></tr></table>							% Free PSA	50-64 yr	65-75 yr	0.00-10.00%	56%	55%	10.01-15.00%	24%	35%	15.01-20.00%	17%	23%	20.01-25.00%	10%	20%	>25.00%	5%	9%
% Free PSA	50-64 yr	65-75 yr																						
0.00-10.00%	56%	55%																						
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20.01-25.00%	10%	20%																						
>25.00%	5%	9%																						
Please note: Catalona et al did not make specific recommendations regarding the use of percent free PSA for any other population of men.																								

Vitamin B12 and Folate

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Vitamin B12 ⁰¹	852	635	04/22/2022	pg/mL	232-1245
Folate (Folic Acid), Serum ⁰¹	15.4			ng/mL	>3.0
Note: ⁰¹ A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.					

FSH and LH

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
LH ⁰¹	8.2	6.7	04/22/2022	mIU/mL	1.7-8.6
FSH ⁰¹	7.9	7.1	04/22/2022	mIU/mL	1.5-12.4

Testosterone,Free and Total

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
▲ Testosterone ⁰¹	956 High	751	04/22/2022	ng/dL	264-916
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) ⁰²	17.3	13.5	04/22/2022	pg/mL	6.6-18.1

DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
DHEA-Sulfate ⁰¹	330.0	96.5	04/22/2022	ug/dL	48.9-344.2

Prolactin

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
▼ Prolactin ⁰¹	3.6 Low	4.1	04/22/2022	ng/mL	4.0-15.2

Estradiol

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Estradiol ⁰¹	38.4 Roche ECLIA methodology	21.2	04/22/2022	pg/mL	7.6-42.6

IGF-1

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Insulin-Like Growth Factor I ⁰²	65	71	04/22/2022	ng/mL	64-240

Sex Horm Binding Glob, Serum

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Sex Horm Binding Glob, Serum ⁰¹	48.2	43.9	04/22/2022	nmol/L	19.3-76.4