

Ordered Items: **CMP14+LP+TP+TSH+5AC+CBC/D/Plt, Vitamin D, 25-Hydroxy**

Date Collected:

Date Received:

Date Reported:

Fasting: **Yes****CMP14+LP+TP+TSH+5AC+CBC/D/Plt**

Tests	Result	Flag	Units	Reference Interval
Chemistries ⁰¹				
▲ Glucose ⁰¹	112	High	mg/dL	65-99
Uric Acid ⁰¹	4.3		mg/dL	3.0-7.2
Therapeutic target for gout patients: <6.0				
BUN ⁰¹	12		mg/dL	6-24
Creatinine ⁰¹	0.94		mg/dL	0.57-1.00
eGFR If NonAfricn Am	67		mL/min/1.73	>59
eGFR If Africn Am	77		mL/min/1.73	>59
BUN/Creatinine Ratio	13			9-23
Sodium ⁰¹	141		mmol/L	134-144
Potassium ⁰¹	4.4		mmol/L	3.5-5.2
Chloride ⁰¹	105		mmol/L	96-106
Carbon Dioxide, Total ⁰¹	23		mmol/L	20-29
Calcium ⁰¹	9.3		mg/dL	8.7-10.2
▼ Phosphorus ⁰¹	2.9	Low	mg/dL	3.0-4.3
Protein, Total ⁰¹	6.9		g/dL	6.0-8.5
Albumin ⁰¹	4.4		g/dL	3.8-4.9
Globulin, Total	2.5		g/dL	1.5-4.5
A/G Ratio	1.8			1.2-2.2
Bilirubin, Total ⁰¹	0.4		mg/dL	0.0-1.2
Alkaline Phosphatase ⁰¹	58		IU/L	39-117
LDH ⁰¹	185		IU/L	119-226
AST (SGOT) ⁰¹	37		IU/L	0-40
▲ ALT (SGPT) ⁰¹	58	High	IU/L	0-32
GGT ⁰¹	31		IU/L	0-60
Iron ⁰¹	146		ug/dL	27-159
. ⁰¹				
Lipids ⁰¹				
▲ Cholesterol, Total ⁰¹	214	High	mg/dL	100-199
▲ Triglycerides ⁰¹	315	High	mg/dL	0-149
▼ HDL Cholesterol ⁰¹	28	Low	mg/dL	>39
▲ LDL Chol Calc (NIH)	129	High	mg/dL	0-99
▲ T. Chol/HDL Ratio	7.6	High	ratio	0.0-4.4

Please Note:⁰¹

T. Chol/HDL Ratio

**CMP14+LP+TP+TSH+5AC+CBC/D/Plt
(Cont.)**

	Men	Women
1/2 Avg.Risk	3.4	3.3
Avg.Risk	5.0	4.4
2X Avg.Risk	9.6	7.1
3X Avg.Risk	23.4	11.0

.01				
Thyroid ⁰¹				
TSH ⁰¹	2.220		uIU/mL	0.450-4.500
Thyroxine (T4) ⁰¹	7.7		ug/dL	4.5-12.0
▼ T3 Uptake ⁰¹	22	Low	%	24-39
Free Thyroxine Index	1.7			1.2-4.9
.01				
CBC, Platelet Ct, and Diff ⁰¹				
WBC ⁰¹	3.9		x10E3/uL	3.4-10.8
RBC ⁰¹	4.84		x10E6/uL	3.77-5.28
Hemoglobin ⁰¹	15.1		g/dL	11.1-15.9
Hematocrit ⁰¹	44.0		%	34.0-46.6
MCV ⁰¹	91		fL	79-97
MCH ⁰¹	31.2		pg	26.6-33.0
MCHC ⁰¹	34.3		g/dL	31.5-35.7
RDW ⁰¹	12.7		%	11.7-15.4
Platelets ⁰¹	224		x10E3/uL	150-450
Neutrophils ⁰¹	36		%	Not Estab.
Lymphs ⁰¹	53		%	Not Estab.
Monocytes ⁰¹	7		%	Not Estab.
Eos ⁰¹	3		%	Not Estab.
Basos ⁰¹	1		%	Not Estab.
Neutrophils (Absolute) ⁰¹	1.4		x10E3/uL	1.4-7.0
Lymphs (Absolute) ⁰¹	2.1		x10E3/uL	0.7-3.1
Monocytes(Absolute) ⁰¹	0.3		x10E3/uL	0.1-0.9
Eos (Absolute) ⁰¹	0.1		x10E3/uL	0.0-0.4
Baso (Absolute) ⁰¹	0.0		x10E3/uL	0.0-0.2
Immature Granulocytes ⁰¹	0		%	Not Estab.
Immature Grans (Abs) ⁰¹	0.0		x10E3/uL	0.0-0.1

Vitamin D, 25-Hydroxy

Tests	Result	Flag	Units	Reference Interval
Vitamin D, 25-Hydroxy ⁰¹	30.4		ng/mL	30.0-100.0

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).

Vitamin D, 25-Hydroxy (Cont.)

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.

Performing Labs

Icon Legend

▲ Out of reference range ■ Critical or Alert