

DOB:

Patient ID: Specimen ID:

Age:

Sex:

Ordering Physician:

Date Collected:

Date Received:

Date Reported:

Fasting:

Ordered Items: **Comp. Metabolic Panel (14); Iron and TIBC; Vitamin B12 and Folate; Vitamin E; Vitamin C; Vitamin A, Serum; Vitamin D, 25-Hydroxy; Vitamin K1; Magnesium; Zinc, Plasma or Serum; Ferritin; Venipuncture**

Date Collected: **02/08/2024**

Comp. Metabolic Panel (14)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Glucose <sup>01</sup>	78		mg/dL	70-99
BUN <sup>01</sup>	20		mg/dL	6-20
Creatinine <sup>01</sup>	1.05		mg/dL	0.76-1.27
eGFR	71		mL/min/1.73	>59
BUN/Creatinine Ratio	14			9-20
Sodium <sup>01</sup>	144		mmol/L	134-144
Potassium <sup>01</sup>	5.1		mmol/L	3.5-5.2
Chloride <sup>01</sup>	104		mmol/L	96-106
Carbon Dioxide, Total <sup>01</sup>	26		mmol/L	20-29
Calcium <sup>01</sup>	10.2		mg/dL	8.7-10.2
Protein, Total <sup>01</sup>	7.6		g/dL	6.0-8.5
Albumin <sup>01</sup>	4.9		g/dL	4.3-5.2
Globulin, Total	2.7		g/dL	1.5-4.5
A/G Ratio	1.8			1.2-2.2
Bilirubin, Total <sup>01</sup>	1.0		mg/dL	0.0-1.2
Alkaline Phosphatase <sup>01</sup>	72		IU/L	44-121
AST (SGOT) <sup>01</sup>	22		IU/L	0-40
ALT (SGPT) <sup>01</sup>	37		IU/L	0-44

Iron and TIBC

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Iron Bind.Cap.(TIBC)	260		ug/dL	250-450
UIBC <sup>01</sup>	200		ug/dL	111-343
Iron <sup>01</sup>	78		ug/dL	38-169
Iron Saturation	41		%	15-55

Vitamin B12 and Folate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
▲ Vitamin B12 <sup>01</sup>	560		pg/mL	232-1245
Folate (Folic Acid), Serum <sup>01</sup>	16.1		ng/mL	>3.0
Note: <sup>01</sup>				

A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.

Vitamin E

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin E(Alpha Tocopherol) <sup>^, 02</sup>	16.9		mg/L	5.9-19.4

Patient ID: Specimen ID:

DOB:  
Age:  
Sex:

## Patient Report

Ordering Physician:

Date Collected:

### Vitamin E (Cont.)

Vitamin E(Gamma Tocopherol) <sup>A, 02</sup>	2.0	mg/L	0.7-4.9
Reference intervals for alpha and gamma-tocopherol determined from National Health and Nutrition Examination Survey, 2005-2006. Individuals with alpha-tocopherol levels less than 5.0 mg/L are considered vitamin E deficient.			

### Vitamin C

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin C <sup>A, 02</sup>	1.1		mg/dL	0.4-2.0
Vitamin C deficiency is generally defined as plasma or serum concentrations less than 0.2 mg/dL and levels between 0.2 and 0.4 mg/dL are considered low.				

### Vitamin A, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin A <sup>02</sup>	44.9		ug/dL	18.9-57.3

### Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy <sup>01</sup>	39.6		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). 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.				

### Vitamin K1

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin K1 <sup>A, 02</sup>	1.5		ng/mL	0.10-2.20

### Magnesium

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium <sup>01</sup>	2.1		mg/dL	1.6-2.3

Zinc, Plasma or Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Zinc, Plasma or Serum <sup>A, 03</sup>	75		ug/dL	44-115
		Detection Limit = 5		

Ferritin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Ferritin <sup>01</sup>	250		ng/mL	30-400

**Disclaimer**  
The Previous Result is listed for the most recent test performed the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

**Icon Legend**  
▲ Out of Reference Range    ■ Critical or Alert

**Comments**  
A: This test was developed and its performance characteristics determined has not been cleared or approved by the Food and Drug Administration.

Performing Labs

Patient Details	Physician Details	Specimen Details
Phone: Date of Birth: Age: Sex: Patient ID: Alternate Patient ID:		Specimen ID: Control ID: Alternate Control Number: Date Collected: Date Received: Date Entered: Date Reported: