

Ordered Items: **Vitamin B12 and Folate; Vitamin E; Vitamin C; Vitamin B6, Plasma; Vitamin A, Serum; Vitamin D, 25-Hydroxy; Vitamin B1 (Thiamine), Blood; Vitamin K1; Venipuncture**

Date Collected:	Date Received:	Date Reported:	Fasting:
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Vitamin B12 and Folate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin B12 ⁰¹	682		pg/mL	232-1245
Folate (Folic Acid), Serum ⁰¹	>20.0		ng/mL	>3.0
Note: ⁰¹	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) ^{A, 02}	15.2		mg/L	9.0-29.0
Vitamin E(Gamma Tocopherol) ^{A, 02}	1.7		mg/L	0.5-4.9
	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 ^{A, 02}	0.9		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 B6, Plasma

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin B6 ^{A, 02}	59.1		ug/L	3.4-65.2
		Deficiency:	<3.4	
		Marginal:	3.4 - 5.1	
		Adequate:	>5.1	

Vitamin A, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin A ⁰²	38.7		ug/dL	22.0-69.5
	Reference intervals for vitamin A determined from LabCorp internal studies. Individuals with vitamin A less than 20 ug/dL are considered vitamin A deficient and those with serum concentrations less than 10 ug/dL are considered severely deficient. This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.			

Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy ⁰¹	45.8		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 B1 (Thiamine), Blood

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vit. B1, Whole Blood ^{A, 02}	151.9		nmol/L	66.5-200.0

Vitamin K1

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin K1 ^{A, 02}	0.82		ng/mL	0.10-2.20

Disclaimer
The Previous Result is listed for the most recent test performed by Labcorp in 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 by Labcorp. It 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:	Request A Test, LTD. 7027 Mill Road Suite 201, BRECKSVILLE, OH, 44141 Phone: Account Number: Physician ID: NPI:	Specimen ID: Control ID: Alternate Control Number: Date Collected: Date Received: Date Entered: Date Reported: Rte: