

Specimen ID:  
 Control ID:

Phone:

Rte:


**Patient Details**

 DOB:  
 Age(y/m/d):  
 Gender:      SSN:  
 Patient ID:

**Specimen Details**

 Date collected:  
 Date received:  
 Date entered:  
 Date reported:

**Physician Details**

 Ordering:  
 Referring:  
 ID:  
 NPI:

**General Comments & Additional Information**

 Alternate Control Number:  
 Total Volume:

 Alternate Patient ID:  
 Fasting:

**Ordered Items**

Vitamin D, 25-Hydroxy; Calcitriol(1,25 di-OH Vit D); Ceruloplasmin; Copper, Serum; Zinc, Plasma or Serum; Calcium, Ionized, Serum; Magnesium, RBC; Venipuncture

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Calcitriol(1,25 di-OH Vit D)	39.0		pg/mL	19.9 - 79.3	02
Vitamin D, 25-Hydroxy	38.9		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.					
Ceruloplasmin	25.8		mg/dL	19.0 - 39.0	02
Copper, Serum	109		ug/dL	72 - 166 Detection Limit = 5	02
Zinc, Plasma or Serum	89		ug/dL	56 - 134 Detection Limit = 5	02
Calcium, Ionized, Serum	5.2		mg/dL	4.5 - 5.6	01
Magnesium, RBC	5.6		mg/dL	4.2 - 6.8	02