

Sample Patient

Date of Birth:
Gender:
Specimen ID:
Control ID:
Account Number:
Status: Final
Specimen Details:
Collection Date:
Patient ID:
Physician Details:
Provider:
Report Date:
Alt. Patient ID:
NPI Number:
Ordered Items: Ceruloplasmin; Comp. Metabolic Panel (14); Copper, Serum; Histamine Determination, Blood; Plasma Zinc; TSH; Vitamin D, 25-Hydroxy

Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
Ceruloplasmin							
• Ceruloplasmin	17.2	16.0-31.0				mg/dL	01
Comp. Metabolic Panel (14)							
• Glucose	85	70-99				mg/dL	01
<i>**Please note reference interval change**</i>							
• BUN	14	6-20				mg/dL	01
• Creatinine	1.08	0.76-1.27				mg/dL	01
• eGFR	97	>59				mL/min/1.73	01
• BUN/Creatinine Ratio	13	9-20					01
• Sodium	142	134-144				mmol/L	01
• Potassium	4.6	3.5-5.2				mmol/L	01
• Chloride	102	96-106				mmol/L	01
• Carbon Dioxide, Total	27	20-29				mmol/L	01
• Calcium	9.9	8.7-10.2				mg/dL	01
• Protein, Total	7.1	6.0-8.5				g/dL	01
• Albumin	4.7	4.1-5.2				g/dL	01
• Globulin, Total	2.4	1.5-4.5				g/dL	01
• A/G Ratio	2	1.2-2.2					01
• Bilirubin, Total	0.7	0.0-1.2				mg/dL	01
• Alkaline Phosphatase	71	44-121				IU/L	01
• AST (SGOT)	25	0-40				IU/L	01
• ALT (SGPT)	17	0-44				IU/L	01
Copper, Serum							
• Copper, Serum	79	63-121	79	70-110		ug/dL	03
<i>Detection Limit = 5</i>							
Histamine Determination, Blood							
• Histamine Determination, Blood	65	12-127	65	40-70		ng/mL	02

Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
<p>Results for this test are for research purposes only by the assay's manufacturer. The performance characteristics of this product have not been established. Results should not be used as a diagnostic procedure without confirmation of the diagnosis by another medically established diagnostic product or procedure.</p>							

Plasma Zinc

• Plasma Zinc	115	56-134	115	90-135		ug/dL	02
Detection Limit = 5							

TSH

• TSH	0.834	0.450-4.500				uIU/mL	01
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Vitamin D, 25-Hydroxy

• Vitamin D, 25-Hydroxy	79	30.0-100.0				ng/mL	01
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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.

DHA Laboratory

411 E Business Center Dr #107, Mt Prospect, IL 60056

Email: info@dhalab.com | Phone: 847-222-9546 | Fax: 847-222-9547

***NOTE:** The reference range(s) listed on this report are different than functional ranges. When determining biochemical imbalances based on the Carl Pfeiffer M.D./William Walsh Ph.D. model; Optimal functional ranges represent a range within a reference range that can position a patient within biochemical classes: (1) elevated histamine (2) low histamine (3) excess copper (4) zinc deficiency. Optimal functional ranges for patients may vary based on diagnosis, clinical features and response to treatment.

Laboratory Director: Judith Bowman, MD | CLIA #: 14D0995837

Reference Testing Facilities:

Lab	Lab Name and Address	Lab Phone Numbers	Lab Medical Director
01	Labcorp Seattle, 550 17th Avenue Ste 300, Seattle WA 981225789	2068617000	Toweill, Daniel L MD
02	Labcorp Burlington, 1447 York Court, Burlington NC 272153361	8007624344	Nagendra, Sanjai MD
03	Labcorp Spokane, 110 W Cliff Dr. Ste 100-200, Spokane WA 992043614	8003498586	LaPointe, Jennifer R MD