

Sample Patient

Date of Birth:
Gender:
Specimen ID:
Control ID:
Account Number:
Status:
Specimen Details:
Collection Date:
Patient ID:
Physician Details:
Provider:
Report Date:
Alt. Patient ID:
NPI Number:

Ordered Items: C-Reactive Protein, Cardiac; CBC With Differential/Platelet; Comp. Metabolic Panel (14); Copper, Serum; Cortisol - AM; DHEA-Sulfate; Erythrocyte Sedimentation Rate; Ferritin; Fibrinogen Activity; Folate (Folic Acid), Serum; GGT; Hemoglobin A1c; Homocyst(e)ine; Insulin; Iron and TIBC; LDH; Lipid Panel w/ Chol/HDL Ratio; Magnesium; Microscopic Examination; Phosphorus; Plasma Zinc; PTH, Intact; Reverse T3, Serum; Testosterone; Thyroglobulin Antibody; Thyroid Panel With TSH; Thyroid Peroxidase (TPO) Ab; Thyroxine (T4) Free, Direct; Triiodothyronine (T3); Triiodothyronine (T3), Free; Uric Acid; Urinalysis, Routine; Vitamin A, Serum; Vitamin B12; Vitamin D, 25-Hydroxy

Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
C-Reactive Protein, Cardiac							
• C-Reactive Protein, Cardiac	0.81	0.00-3.00				mg/L	01
		Relative Risk for Future Cardiovascular Event					
		Low <1.00					
		Average 1.00 - 3.00					
		High >3.00					
CBC With Differential/Platelet							
• WBC	5.6	3.4-10.8				x10E3/uL	01
• RBC	4.63	3.77-5.28				x10E6/uL	01
• Hemoglobin	13.9	11.1-15.9				g/dL	01
• Hematocrit	43.2	34.0-46.6				%	01
• MCV	93	79-97				fL	01
• MCH	30	26.6-33.0				pg	01
• MCHC	32.2	31.5-35.7				g/dL	01
• RDW	13.5	11.7-15.4				%	01
• Platelets	271	150-450				x10E3/uL	01
• Neutrophils	47	Not Estab.				%	01
• Lymphs	40	Not Estab.				%	01
• Monocytes	11	Not Estab.				%	01
• Eos	1	Not Estab.				%	01
• Basos	1	Not Estab.				%	01
• Neutrophils (Absolute)	2.6	1.4-7.0				x10E3/uL	01
• Lymphs (Absolute)	2.3	0.7-3.1				x10E3/uL	01
• Monocytes(Absolute)	0.6	0.1-0.9				x10E3/uL	01
• Eos (Absolute)	0.1	0.0-0.4				x10E3/uL	01
• Baso (Absolute)	0.1	0.0-0.2				x10E3/uL	01
• Immature Granulocytes	0	Not Estab.				%	01

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Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
• Immature Grans (Abs)	0	0.0-0.1				x10E3/uL	01
Comp. Metabolic Panel (14)							
• Glucose	73	70-99				mg/dL	01
• BUN	13	6-24				mg/dL	01
• Creatinine	0.7	0.57-1.00				mg/dL	01
• eGFR	100	>59				mL/min/1.73	01
• BUN/Creatinine Ratio	19	9-23					01
• Sodium	141	134-144				mmol/L	01
• Potassium	4.1	3.5-5.2				mmol/L	01
• Chloride	103	96-106				mmol/L	01
• Carbon Dioxide, Total	23	20-29				mmol/L	01
• Calcium	9.2	8.7-10.2				mg/dL	01
• Protein, Total	6.6	6.0-8.5				g/dL	01
• Albumin	4.4	3.8-4.9				g/dL	01
• Globulin, Total	2.2	1.5-4.5				g/dL	01
• Bilirubin, Total	0.4	0.0-1.2				mg/dL	01
• Alkaline Phosphatase	50	49-135				IU/L	01
• AST (SGOT)	21	0-40				IU/L	01
• ALT (SGPT)	12	0-32				IU/L	01
Copper, Serum							
• Copper, Serum	93	76-142	93	70-110		ug/dL	02
<i>Detection Limit = 5</i>							
Cortisol - AM							
• Cortisol - AM	7.8	6.2-19.4				ug/dL	01
DHEA-Sulfate							
• DHEA-Sulfate	128	29.4-220.5				ug/dL	01
Erythrocyte Sedimentation Rate							
• Erythrocyte Sedimentation Rate	6	0-40				mm/hr	01
Ferritin							
• Ferritin	240 	15-150			High	ng/mL	01

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Effective October 5, 2026 Ferritin reference interval will be changing to: Age Male Female 0 - 9 days 20 - 273 20 - 129 10 - 30 days 20 - 273 20 - 111 31 - 60 days 20 - 273 20 - 154 61 - 120 days 20 - 273 20 - 211 121 - 150 days 20 - 95 20 - 102 151 - 365 days 20 - 95 20 - 110 1 - 5 years 20 - 64 20 - 71 6 - 11 years 20 - 77 20 - 79 12 - 19 years 30 - 124 30 - 77 20 - 40 years 30 - 400 30 - 150 41 - 45 years 30 - 400 30 - 184 46 - 49 years 30 - 400 30 - 216 50 - 51 years 30 - 400 30 - 232 52 - 55 years 30 - 400 30 - 265 56 - 58 years 30 - 400 30 - 280 59 - 64 years 30 - 400 30 - 327 65 - 80 years 30 - 400 30 - 365 >80 years 30 - 400 30 - 397							
Fibrinogen Activity							
• Fibrinogen Activity	331	209-464				mg/dL	01
Folate (Folic Acid), Serum							
• Folate (Folic Acid), Serum	13	>3.0				ng/mL	01
A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.							
GGT							
• GGT	7	0-60				IU/L	01
Hemoglobin A1c							
• Hemoglobin A1c	5.1	4.8-5.6				%	01
Homocyst(e)ine							
• Homocyst(e)ine	10.6	0.0-14.5				umol/L	01
Insulin							
• Insulin	3.9	2.6-24.9				uIU/mL	01
Iron and TIBC							
• Iron Bind.Cap.(TIBC)	306	250-450				ug/dL	01
• UIBC	208	131-425				ug/dL	01
• Iron	98	27-159				ug/dL	01
• Iron Saturation	32	15-55				%	01
LDH							
• LDH	338 	119-226			High	IU/L	01
Lipid Panel w/ Chol/HDL Ratio							
• Cholesterol, Total	284 	100-199			High	mg/dL	01
• Triglycerides	55	0-149				mg/dL	01
• HDL Cholesterol	75	>39				mg/dL	01
• VLDL Cholesterol Cal	11	5-40				mg/dL	01
• LDL Chol Calc (NIH)	198 	0-99			High	mg/dL	01
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Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
: Risk Assessment and Treatment Goals-Adults 30-79 years[1] : : : : : : 10 Yr "Prevent" ASCVD : LDL-C Goals :non-HDL Goals: : Risk Categories[2] : (mg/dL) : (mg/dL) : : : : If LDL-C 160-189 : : : Low Risk : 0-3% : treat to <100 : <130 : : : : : Borderline : 3%-<5% : <100 : <130 : : : : : Intermediate : 5%-<10% : <100 : <130 : : : : : High : >=10% : <70 : <100 : : : : : : : Without ASCVD : : : : : <100 : <130 : : Severe :LDL-C:>=190 : : : :Hypercholesterolemia : mg/dL : with ASCVD : : : : : <55 : <85 : : : : : [1]2026 Lipid Guidelines [2]ASCVD Risk Calculator URL: : :https://professional.heart.org/en/guidelines-and-statements/prevent-: :calculator :							
• LDL Calc Comment:							01
Consider evaluating for Familial Hypercholesterolemia(FH), if clinically indicated.							
• T. Chol/HDL Ratio	3.8	0.0-4.4				ratio	01
T. Chol/HDL Ratio 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							
Magnesium							
• Magnesium	2.2	1.6-2.3				mg/dL	01
Microscopic Examination							
• WBC	None seen	0 - 5				/hpf	01
• RBC	0-2	0 - 2				/hpf	01
• Epithelial Cells (non renal)	>10 ▲	0 - 10			Abnormal	/hpf	01
• Casts	None seen	None seen				/lpf	01
• Bacteria	Many ▲	None seen/Few			Abnormal		01
Phosphorus							
• Phosphorus	3.8	3.0-4.3				mg/dL	01
Plasma Zinc							
• Plasma Zinc	80	56-134	80 ▮	90-135		ug/dL	01
Detection Limit = 5							
PTH, Intact							
• PTH, Intact	26	15-65				pg/mL	01
Reverse T3, Serum							
• Reverse T3, Serum	17.2	9.2-24.1				ng/dL	01
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Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
Testosterone							
• Testosterone	28	4-50				ng/dL	01
Thyroglobulin Antibody							
• Thyroglobulin Antibody	<1.5	0.0-1.4				IU/mL	01
Thyroglobulin Antibody measured by Beckman Coulter Methodology It should be noted that the presence of thyroglobulin antibodies may not be pathogenic nor diagnostic, especially at very low levels. The assay manufacturer has found that four percent of individuals without evidence of thyroid disease or autoimmunity will have positive TgAb levels up to 4 IU/mL.							
Thyroid Panel With TSH							
• TSH	1.61	0.450-4.500				uIU/mL	01
• Thyroxine (T4)	8.1	4.5-12.0				ug/dL	01
• T3 Uptake	25	24-39				%	01
• Free Thyroxine Index	2	1.2-4.9					01
Thyroid Peroxidase (TPO) Ab							
• Thyroid Peroxidase (TPO) Ab	18	0-34				IU/mL	01
Thyroxine (T4) Free, Direct							
• T4,Free(Direct)	1.24	0.82-1.77				ng/dL	01
Triiodothyronine (T3)							
• Triiodothyronine (T3)	115	71-180				ng/dL	01
Triiodothyronine (T3), Free							
• Triiodothyronine (T3), Free	2.8	2.0-4.4				pg/mL	01
Uric Acid							
• Uric Acid	2.8 	3.0-7.2			Low	mg/dL	01
Therapeutic target for gout patients: <6.0							
Urinalysis, Routine							
• Specific Gravity	1.027	1.005-1.030					01
• pH	6	5.0-7.5					01
• Urine-Color	Yellow	Yellow					01
• Appearance	Cloudy 	Clear			Abnormal		01
• WBC Esterase	2+ 	Negative			Abnormal		01
• Protein	Negative	Negative/Trace					01
• Glucose	Negative	Negative					01
• Ketones	Negative	Negative					01
• Occult Blood	Negative	Negative					01
• Bilirubin	Negative	Negative					01
• Urobilinogen,Semi-Qn	0.2	0.2-1.0				mg/dL	01
• Nitrite, Urine	Negative	Negative					01
• Microscopic Examination	See below:						01
Microscopic was indicated and was performed.							
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Vitamin A, Serum							
• Vitamin A	38.8	20.1-62.0				ug/dL	01
<i>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.</i> <i>This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.</i>							

Vitamin B12							
• Vitamin B12	442	232-1245				pg/mL	01

Vitamin D, 25-Hydroxy							
• Vitamin D, 25-Hydroxy	36	30.0-100.0				ng/mL	01
<i>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).</i> <i>1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.</i> <i>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.</i> <i>**Effective September 14, 2026 Vitamin D, 25-Hydroxy reference** interval will be changing to 20.0-100.0 ng/mL.</i>							

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***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 Overland Park, 7800 West 110th Street, Overland Park KS 662102304	9133384070	Caughron, Samuel K MD
02	Labcorp Spokane, 110 W Cliff Dr. Ste 100-200, Spokane WA 992043614	8003498586	Goyal, Shefali MD