



Specimen ID:	Control ID: B0121873059	Account Number: 12502800	Status: Final
Specimen Details:	Patient ID: 0	Physician Details:	
Collection Date: 12/15/2021 09:03	Alt. Patient ID:	Provider: FIELDER, L	
Report Date: 12/26/2021 12:06		NPI Number: 1699866020	

Ordered Items: C-Peptide, Serum; C-Reactive Protein, Cardiac; Calcitriol(1,25 di-OH Vit D); CBC With Differential/Platelet; Comp. Metabolic Panel (14); Copper, Serum; Ferritin; Fibrinogen Activity; Folate (Folic Acid), Serum; Fructosamine; GGT; Hemoglobin A1c; Homocyst(e)ine; Insulin; Iron and TIBC; LDH; Lipid Panel w/ Chol/HDL Ratio; Magnesium; Phosphorus; Plasma Zinc; PTH, Intact; Reverse T3, Serum; Sedimentation Rate-Westergren; 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-Peptide, Serum							
• C-Peptide, Serum	1.4	1.1-4.4				ng/mL	01
<i>C-Peptide reference interval is for fasting patients.</i>							
C-Reactive Protein, Cardiac							
• C-Reactive Protein, Cardiac	3.57	0.00-3.00			High	mg/L	01
<i>Relative Risk for Future Cardiovascular Event</i>							
<i>Low <1.00</i>							
<i>Average 1.00 - 3.00</i>							
<i>High >3.00</i>							
Calcitriol(1,25 di-OH Vit D)							
• Calcitriol(1,25 di-OH Vit D)	45.8	19.9-79.3				pg/mL	02
CBC With Differential/Platelet							
• WBC	4.9	3.4-10.8				x10E3/uL	01
• RBC	4.09	3.77-5.28				x10E6/uL	01
• Hemoglobin	12.4	11.1-15.9				g/dL	01
• Hematocrit	38.3	34.0-46.6				%	01
• MCV	94	79-97				fL	01
• MCH	30.3	26.6-33.0				pg	01
• MCHC	32.4	31.5-35.7				g/dL	01
• RDW	12.3	11.7-15.4				%	01
• Platelets	280	150-450				x10E3/uL	01
• Neutrophils	62	Not Estab.				%	01
• Lymphs	24	Not Estab.				%	01
• Monocytes	10	Not Estab.				%	01
• Eos	3	Not Estab.				%	01
• Basos	1	Not Estab.				%	01
• Neutrophils (Absolute)	3	1.4-7.0				x10E3/uL	01
• Lymphs (Absolute)	1.2	0.7-3.1				x10E3/uL	01

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Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
• Monocytes(Absolute)	0.5	0.1-0.9				x10E3/uL	01
• Eos (Absolute)	0.2	0.0-0.4				x10E3/uL	01
• Baso (Absolute)	0.1	0.0-0.2				x10E3/uL	01
• Immature Granulocytes	0	Not Estab.				%	01
• Immature Grans (Abs)	0	0.0-0.1				x10E3/uL	01

Comp. Metabolic Panel (14)

• Glucose	85	65-99				mg/dL	01
• BUN	10	6-24				mg/dL	01
• Creatinine	0.52	0.57-1.00			Low	mg/dL	01
• eGFR If NonAfricn Am	105	>59				mL/min/1.73	01
• eGFR If Africn Am	121	>59				mL/min/1.73	01

****In accordance with recommendations from the NKF-ASN Task force,****
 Labcorp is in the process of updating its eGFR calculation to the 2021 CKD-EPI creatinine equation that estimates kidney function without a race variable.

• BUN/Creatinine Ratio	19	9-23					01
• Sodium	142	134-144				mmol/L	01
• Potassium	3.9	3.5-5.2				mmol/L	01
• Chloride	103	96-106				mmol/L	01
• Carbon Dioxide, Total	24	20-29				mmol/L	01
• Calcium	9.4	8.7-10.2				mg/dL	01
• Protein, Total	7	6.0-8.5				g/dL	01
• Albumin	4.4	3.8-4.9				g/dL	01
• Globulin, Total	2.6	1.5-4.5				g/dL	01
• A/G Ratio	1.7	1.2-2.2					01
• Bilirubin, Total	0.2	0.0-1.2				mg/dL	01
• Alkaline Phosphatase	95	44-121				IU/L	01

****Please note reference interval change****

• AST (SGOT)	20	0-40				IU/L	01
• ALT (SGPT)	15	0-32				IU/L	01

Copper, Serum

• Copper, Serum	138	80-158	138	70-110		ug/dL	02
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Detection Limit = 5

Ferritin

• Ferritin	64	15-150				ng/mL	01
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Fibrinogen Activity

• Fibrinogen Activity	470	193-507				mg/dL	01
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Folate (Folic Acid), Serum

• Folate (Folic Acid), Serum	>20.0	>3.0				ng/mL	01
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A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.

Fructosamine

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Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
• Fructosamine	260	0-285				umol/L	01
<i>Published reference interval for apparently healthy subjects between age 20 and 60 is 205 - 285 umol/L and in a poorly controlled diabetic population is 228 - 563 umol/L with a mean of 396 umol/L.</i>							
GGT							
• GGT	14	0-60				IU/L	01
Hemoglobin A1c							
• Hemoglobin A1c	5.6	4.8-5.6				%	01
<i>Prediabetes: 5.7 - 6.4 Diabetes: >6.4 Glycemic control for adults with diabetes: <7.0</i>							
Homocyst(e)ine							
• Homocyst(e)ine	8.4	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)	301	250-450				ug/dL	01
• UIBC	217	131-425				ug/dL	01
• Iron	84	27-159				ug/dL	01
• Iron Saturation	28	15-55				%	01
LDH							
• LDH	203	119-226				IU/L	01
Lipid Panel w/ Chol/HDL Ratio							
• Cholesterol, Total	210	100-199			High	mg/dL	01
• Triglycerides	53	0-149				mg/dL	01
• HDL Cholesterol	73	>39				mg/dL	01
• VLDL Cholesterol Cal	10	5-40				mg/dL	01
• LDL Chol Calc (NIH)	127	0-99			High	mg/dL	01
• T. Chol/HDL Ratio	2.9	0.0-4.4				ratio	01
<i>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</i>							
Magnesium							
• Magnesium	2	1.6-2.3				mg/dL	01
Phosphorus							
• Phosphorus	4.1	3.0-4.3				mg/dL	01
Plasma Zinc							
• Plasma Zinc	89	56-134	89	90-135		ug/dL	02
<i>Detection Limit = 5</i>							
PTH, Intact							
• PTH, Intact	22	15-65				pg/mL	01

Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
Reverse T3, Serum							
• Reverse T3, Serum	11.9	9.2-24.1				ng/dL	02
<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>							
Sedimentation Rate-Westergren							
• Sedimentation Rate-Westergren	13	0-40				mm/hr	01
Testosterone							
• Testosterone	6	4-50				ng/dL	01
Thyroglobulin Antibody							
• Thyroglobulin Antibody	<1.0	0.0-0.9				IU/mL	01
<i>Thyroglobulin Antibody measured by Beckman Coulter Methodology</i>							
Thyroid Panel With TSH							
• TSH	1.74	0.450-4.500				uIU/mL	01
• Thyroxine (T4)	6.9	4.5-12.0				ug/dL	01
• T3 Uptake	21	24-39			Low	%	01
• Free Thyroxine Index	1.4	1.2-4.9					01
Thyroid Peroxidase (TPO) Ab							
• Thyroid Peroxidase (TPO) Ab	9	0-34				IU/mL	01
Thyroxine (T4) Free, Direct							
• T4,Free(Direct)	0.97	0.82-1.77				ng/dL	01
Triiodothyronine (T3)							
• Triiodothyronine (T3)	153	71-180				ng/dL	01
Triiodothyronine (T3), Free							
• Triiodothyronine (T3), Free	4.1	2.0-4.4				pg/mL	01
Uric Acid							
• Uric Acid	5.3	3.0-7.2				mg/dL	01
<i>Therapeutic target for gout patients: <6.0</i>							
Urinalysis, Routine							
• Specific Gravity	1.018	1.005-1.030					01
• pH	7.5	5.0-7.5					01
• Urine-Color	Yellow	Yellow					01
• Appearance	Clear	Clear					01
• WBC Esterase	Negative	Negative					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							01

Test Name	Result	LabCorp Reference Range	Result	Walsh/Pfeiffer Functional Range	Flag	Units	Lab
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Microscopic not indicated and not performed.

Vitamin A, Serum

• Vitamin A	30.2	20.1-62.0				ug/dL	02
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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 B12

• Vitamin B12	516	232-1245				pg/mL	01
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Vitamin D, 25-Hydroxy

• Vitamin D, 25-Hydroxy	61.8	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.

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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 Dublin, 6370 Wilcox Road, Dublin OH 430161269	8002827300	Ricchiuti, Vincent PhD
02	Labcorp Burlington, 1447 York Court, Burlington NC 272153361	8007624344	Nagendra, Sanjai MD