

Ordered Items: **CBC With Differential/Platelet; Comp. Metabolic Panel (14); LP+Chol/HDL+LDL/HDL+CHD Risk; Iron and TIBC; Apo A1 + B + Ratio; Hgb A1c with eAG Estimation; Thyroxine (T4) Free, Direct; TSH; Reverse T3, Serum; Vitamin D, 25-Hydroxy; C-Reactive Protein, Cardiac; Homocyst(e)ine; Uric Acid; Phosphorus; LDH; GGT; Thyroxine (T4); Triiodothyronine (T3); Thyroid Antibodies; Magnesium; Insulin; Ferritin; C-Reactive Protein, Quant; Triiodothyronine (T3), Free; Venipuncture**

Date Collected: <b>11/21/2022</b>	Date Received: <b>11/21/2022</b>	Date Reported: <b>11/24/2022</b>	Fasting: <b>Yes</b>
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CBC With Differential/Platelet

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
WBC <sup>01</sup>	5.9		5.2	03/04/2022	x10E3/uL	3.4-10.8
RBC <sup>01</sup>	4.52		4.44	03/04/2022	x10E6/uL	3.77-5.28
Hemoglobin <sup>01</sup>	15.1		14.6	03/04/2022	g/dL	11.1-15.9
Hematocrit <sup>01</sup>	44.4		43.5	03/04/2022	%	34.0-46.6
▲ MCV <sup>01</sup>	98	High	98	03/04/2022	fL	79-97
▲ MCH <sup>01</sup>	33.4	High	32.9	03/04/2022	pg	26.6-33.0
MCHC <sup>01</sup>	34.0		33.6	03/04/2022	g/dL	31.5-35.7
▼ RDW <sup>01</sup>	11.0	Low	11.0	03/04/2022	%	11.7-15.4
Platelets <sup>01</sup>	264		282	03/04/2022	x10E3/uL	150-450
Neutrophils <sup>01</sup>	53		55	03/04/2022	%	Not Estab.
Lymphs <sup>01</sup>	37		37	03/04/2022	%	Not Estab.
Monocytes <sup>01</sup>	7		5	03/04/2022	%	Not Estab.
Eos <sup>01</sup>	2		2	03/04/2022	%	Not Estab.
Basos <sup>01</sup>	1		1	03/04/2022	%	Not Estab.
Neutrophils (Absolute) <sup>01</sup>	3.2		2.9	03/04/2022	x10E3/uL	1.4-7.0
Lymphs (Absolute) <sup>01</sup>	2.2		2.0	03/04/2022	x10E3/uL	0.7-3.1
Monocytes(Absolute) <sup>01</sup>	0.4		0.3	03/04/2022	x10E3/uL	0.1-0.9
Eos (Absolute) <sup>01</sup>	0.1		0.1	03/04/2022	x10E3/uL	0.0-0.4
Baso (Absolute) <sup>01</sup>	0.1		0.1	03/04/2022	x10E3/uL	0.0-0.2
Immature Granulocytes <sup>01</sup>	0		0	03/04/2022	%	Not Estab.
Immature Grans (Abs) <sup>01</sup>	0.0		0.0	03/04/2022	x10E3/uL	0.0-0.1

Comp. Metabolic Panel (14)

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
Glucose <sup>01</sup>	89		84*	03/04/2022	mg/dL	70-99
BUN <sup>01</sup>	12		10	03/04/2022	mg/dL	6-20
Creatinine <sup>01</sup>	0.79		0.79	03/04/2022	mg/dL	0.57-1.00
eGFR	102		103	03/04/2022	mL/min/1.73	>59
BUN/Creatinine Ratio	15		13	03/04/2022		9-23
Sodium <sup>01</sup>	137		136	03/04/2022	mmol/L	134-144
Potassium <sup>01</sup>	4.5		4.8	03/04/2022	mmol/L	3.5-5.2
Chloride <sup>01</sup>	99		99	03/04/2022	mmol/L	96-106
Carbon Dioxide, Total <sup>01</sup>	26		22	03/04/2022	mmol/L	20-29
Calcium <sup>01</sup>	9.4		9.4	03/04/2022	mg/dL	8.7-10.2
Protein, Total <sup>01</sup>	6.6		6.7	03/04/2022	g/dL	6.0-8.5
Albumin <sup>01</sup>	4.7		4.7*	03/04/2022	g/dL	3.8-4.8

## Comp. Metabolic Panel (14) (Cont.)

Globulin, Total	1.9	2.0	03/04/2022	g/dL	1.5-4.5
▲ <b>A/G Ratio</b>	<b>2.5</b>	<b>High</b>	<b>2.4</b>	03/04/2022	1.2-2.2
Bilirubin, Total <sup>01</sup>	0.9	0.8	03/04/2022	mg/dL	0.0-1.2
Alkaline Phosphatase <sup>01</sup>	45	49	03/04/2022	IU/L	44-121
AST (SGOT) <sup>01</sup>	18	20	03/04/2022	IU/L	0-40
ALT (SGPT) <sup>01</sup>	11	12	03/04/2022	IU/L	0-32

\* Previous Reference Intervals: (Glucose: 65-99 mg/dL), (Albumin: 3.9-5.0 g/dL)

## LP+Chol/HDL+LDL/HDL+CHD Risk

Test	Current Result and Flag		Previous Result and Date		Units	Reference Interval
Lipids <sup>01</sup>						
Cholesterol, Total <sup>01</sup>	173		168	03/04/2022	mg/dL	100-199
Triglycerides <sup>01</sup>	40		35	03/04/2022	mg/dL	0-149
HDL Cholesterol <sup>01</sup>	63		65	03/04/2022	mg/dL	>39
VLDL Cholesterol Cal	8		8	03/04/2022	mg/dL	5-40
▲ LDL Chol Calc (NIH)	102	High	95	03/04/2022	mg/dL	0-99
T. Chol/HDL Ratio	2.7		2.6	03/04/2022	ratio	0.0-4.4
Please Note: <sup>01</sup>						

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

Estimated CHD Risk	<0.5	<0.5	03/04/2022	times avg.	0.0-1.0
	The CHD Risk is based on the T. Chol/HDL ratio. Other factors affect CHD Risk such as hypertension, smoking, diabetes, severe obesity, and family history of premature CHD.				
LDL/HDL Ratio	1.6	1.5	03/04/2022	ratio	0.0-3.2
Please Note: <sup>01</sup>					

LDL/HDL Ratio		
	Men	Women
1/2 Avg. Risk	1.0	1.5
Avg. Risk	3.6	3.2
2X Avg. Risk	6.2	5.0
3X Avg. Risk	8.0	6.1

## Iron and TIBC

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Iron Bind.Cap.(TIBC)	323	331 03/04/2022	ug/dL	250-450
UIBC <sup>01</sup>	191	224 03/04/2022	ug/dL	131-425
Iron <sup>01</sup>	132	107 03/04/2022	ug/dL	27-159
Iron Saturation	41	32 03/04/2022	%	15-55

## Apo A1 + B + Ratio

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Apolipoprotein A-1 <sup>01</sup>	156	154 03/04/2022	mg/dL	116-209

## Apo A1 + B + Ratio (Cont.)

Apolipoprotein B <sup>01</sup>	81	68	03/04/2022	mg/dL	<90
			Desirable	< 90	
			Borderline High	90 - 99	
			High	100 - 130	
			Very High	>130	
		ASCVD RISK CATEGORY	THERAPEUTIC TARGET APO B (mg/dL)		
		Very High Risk	<80 (if extreme risk <70)		
		High Risk	<90		
		Moderate Risk	<90		
Apolipo. B/A-1 Ratio	0.5	0.4	03/04/2022	ratio	0.0-0.6
			Apolipoprotein B/A-1 Ratio		
				Male	Female
			Avg.Risk	0.7	0.6
			2X Avg.Risk	0.9	0.9
			3X Avg.Risk	1.0	1.0

## Hgb A1c with eAG Estimation

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Hemoglobin A1c <sup>01</sup>	4.9	4.703/04/2022	%	4.8-5.6
Please Note: <sup>01</sup>	Prediabetes: 5.7 - 6.4 Diabetes: >6.4 Glycemic control for adults with diabetes: <7.0			
Estim. Avg Glu (eAG)	94	8803/04/2022	mg/dL	

## Thyroxine (T4) Free, Direct

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
T4,Free(Direct) <sup>01</sup>	1.17	1.18 03/04/2022	ng/dL	0.82-1.77

## TSH

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
TSH <sup>01</sup>	2.990	1.35 03/04/2022	uIU/mL	0.450-4.500

## Reverse T3, Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Reverse T3, Serum <sup>A, 02</sup>	10.8	14.4 03/04/2022	ng/dL	9.2-24.1

## Vitamin D, 25-Hydroxy

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin D, 25-Hydroxy <sup>01</sup>	61.4	58.9      03/04/2022	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.				

## Vitamin D, 25-Hydroxy (Cont.)

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.

## C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
C-Reactive Protein, Cardiac <sup>01</sup>	0.75	0.45 03/04/2022	mg/L	0.00-3.00
Relative Risk for Future Cardiovascular Event				
Low			<1.00	
Average			1.00 - 3.00	
High			>3.00	

## Homocyst(e)ine

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Homocyst(e)ine <sup>01</sup>	5.0	6.7 03/04/2022	umol/L	0.0-14.5

## Uric Acid

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Uric Acid <sup>01</sup>	3.1	4.2 03/04/2022	mg/dL	2.6-6.2
Therapeutic target for gout patients: <6.0				
**Please note reference interval change**				

## Phosphorus

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Phosphorus <sup>01</sup>	4.2	4.3 03/04/2022	mg/dL	3.0-4.3

## LDH

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
LDH <sup>01</sup>	153	155 03/04/2022	IU/L	119-226

## GGT

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
GGT <sup>01</sup>	8	7 03/04/2022	IU/L	0-60

## Thyroxine (T4)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Thyroxine (T4) <sup>01</sup>	5.7	6.6 03/04/2022	ug/dL	4.5-12.0

## Triiodothyronine (T3)

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Triiodothyronine (T3) <sup>01</sup>	90	108 03/04/2022	ng/dL	71-180

## Thyroid Antibodies

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Thyroid Peroxidase (TPO) Ab <sup>01</sup>	24	17 03/04/2022	IU/mL	0-34

## Thyroid Antibodies (Cont.)

Thyroglobulin Antibody <sup>01</sup>	<1.0	<1.0	03/04/2022	IU/mL	0.0-0.9
Thyroglobulin Antibody measured by Beckman Coulter Methodology					

## Magnesium

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium <sup>01</sup>	2.0	1.8 03/04/2022	mg/dL	1.6-2.3

## Insulin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Insulin <sup>01</sup>	4.4	3.3 03/04/2022	uIU/mL	2.6-24.9

## Ferritin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Ferritin <sup>01</sup>	32	23 03/04/2022	ng/mL	15-150

## C-Reactive Protein, Quant

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
C-Reactive Protein, Quant <sup>01</sup>	<1	<1 03/04/2022	mg/L	0-10

## Triiodothyronine (T3), Free

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Triiodothyronine (T3), Free <sup>01</sup>	2.7	2.6 03/04/2022	pg/mL	2.0-4.4

### 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.

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