

Glucose (mg/dL) ^y	92	> 125	100-125	70 - 99
HbA1c (%) ^y	5.3	≥ 6.5	5.7 - 6.4	≤ 5.6
Estimated Average Glucose (mg/dL) (calculated) ^y	105.4	≥ 139.9	116.9 - 139.8	≤ 116.8

Metabolic Support	High Risk	Intermediate Risk	Optimal	High Risk Range	Intermediate Risk Range	Optimal Range	Previous Results
Vitamin B ₁₂ (pg/mL) ^y			673	< 232	232 - 400	> 400	
25-hydroxy-Vitamin D (ng/mL) ^y			42	90-80	20 - 29	30 - 100	
Homocysteine (μmol/L) ^y			9	> 13	11 - 13	< 11	

THYROID FUNCTION & HORMONES

Thyroid	Result	Flag	Reference Interval	Previous Results
TSH is analyzed using reagents from Roche Diagnostics by electrochemoluminescence immunoassay. These values should not be used in conjunction with values from other reagent manufacturers or methodologies.				
TSH (μIU/mL) ^y	2.53		0.27 - 4.20	
T3, Free (pg/mL) ^y	3.3		2.0 - 4.4	

Hormones	Result	Flag	Reference Interval	Previous Results
Estradiol (pg/mL) ^y	< 11.0	L	25.8 - 60.7	
Free Testosterone (ng/dL) (calculated) ^y	18.26		4.7 - 24.4	
Testosterone (ng/dL) ^y	590		< 1 year: 12 - 21 1 - 6 years: 12 - 32 7 - 12 years: 12 - 68 13 - 17 years: 28 - 1110 > 17 years: 348 - 1197	
Dehydroepiandrosterone sulfate (μg/dL) ^y 25 mg	827	H	15 - 19 yrs: 70 - 492 20 - 24 yrs: 211 - 492 25 - 34 yrs: 150 - 449 35 - 44 yrs: 89 - 427 45 - 54 yrs: 44 - 331 55 - 64 yrs: 52 - 295 65 - 74 yrs: 34 - 249 > 74 yrs: 16 - 123	
Human sex hormone-binding globulin (nmol/L) ^y	15		10 - 80	

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**CBC w/ Automated
Differential / Platelet**

Result Flag Reference Interval

WBC (x10 ³ /μL) ^y	7.6		4.0 - 10.5
RBC (x10 ⁶ /μL) ^y	5.4		4.1 - 5.6
Hemoglobin (g/dL) ^y	16.8		12.5 - 17.0
Hematocrit (%) ^y	48		36 - 50
Platelets (x10 ³ /μL) ^y	222		140 - 415
MCV (fL) ^y	88		80 - 98
MCH (pg) ^y	31		27 - 34
MCHC (g/dL) ^y	35		32 - 36
RDW (%) ^y	12.7		11.7 - 15
Neutrophils (%) ^y	57		40 - 74
Lymphocytes (%) ^y	31		14 - 46
Monocytes (%) ^y	9		4 - 13

Reference ranges for CBC are applicable to patients greater than 18 years of age.

**CBC w/ Automated
Differential / Platelet,
cont.**

Result Flag Reference Interval

Eosinophils (%) ^y	2		0 - 7
Basophils (%) ^y	1		0 - 3
Neutrophils (absolute) (x10 ³ /μL) ^y	4.3		1.8 - 7.8
Lymphocytes (absolute) (x10 ³ /μL) ^y	2.3		0.7 - 4.5
Monocytes (absolute) (x10 ³ /μL) ^y	0.7		0.1 - 1.0
Eosinophils (absolute) (x10 ³ /μL) ^y	0.2		0.0 - 0.4
Basophils (absolute) (x10 ³ /μL) ^y	0.1		0.0 - 0.2
Immature Granulocytes (absolute) (x10 ³ /μL) ^y	0.0		0.0 - 0.1

CMP/BMP

Result Flag Reference Interval

Na ⁺ (mmol/L) ^y	141		133 - 145
K ⁺ (mmol/L) ^y	4.0		3.5 - 5.3
Cl ⁻ (mmol/L) ^y	101		98 - 110
CO ₂ (mmol/L) ^y	32		19 - 31
Anion Gap (calculated) ^y	9		6 - 18
BUN (mg/dL) ^y	18		6 - 20
Creatinine, serum (mg/dL) ^y	1.2		0.7 - 1.2
Glucose (mg/dL) ^y	92		70 - 99
Calcium (mg/dL) ^y	9.7		8.8 - 10.5
Total Protein (g/dL) ^y	7.2		6.1 - 8.0
Albumin (g/dL) ^y	4.7		3.7 - 5.1

CMP/BMP, cont.

Result Flag Reference Interval

% Albumin (calculated) ^y	66		54 - 71
Globulin (g/dL) (calculated) ^y	2.5		1.9 - 3.5
Albumin:Globulin Ratio (calculated) ^y	1.91		1.15 - 2.50
Total Bilirubin (mg/dL) ^y	0.9		Up to 1.2
ALP (U/L) ^y	72		<16 years: 96 - 410 16 - 20 years: 49 - 210 21 - 90 years: 35 - 117 >90 years: 38 - 140
ALT (U/L) ^y	31		<42
AST (U/L) ^y	24		<41

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