

## MENDEZ,FRANK

DOB: 02/01/1994  
Sex: M  
Phone: (209) 597-1139  
Patient ID: 197547876

Age: 26  
Fasting: Y

Specimen: SA588918Y  
Requisition: 0003833  
Lab Reference ID: 9066865  
Report Status: FINAL / SEE REPORT

Collected: 09/25/2020 11:34  
Received: 09/25/2020 11:35  
Reported: 09/26/2020 07:12

Client #: 78316545  
ESCOBAR,TONYA  
BRIGHT HEART HEALTH  
2960 CAMINO DIABLO STE 105  
WALNUT CREEK, CA 94597-3945  
Phone: (844) 884-4474

FASTING: YES

## COMPREHENSIVE METABOLIC PANEL, PLASMA

Analyte	Value	
<b>GLUCOSE</b>	<b>79</b>	Reference Range: 65-99 mg/dL
Fasting reference interval		
<b>UREA NITROGEN (BUN)</b>	<b>12</b>	Reference Range: 7-25 mg/dL
<b>CREATININE</b>	<b>0.84</b>	Reference Range: 0.60-1.35 mg/dL
<b>eGFR NON-AFR. AMERICAN</b>	<b>121</b>	Reference Range: > OR = 60 mL/min/1.73m2
<b>eGFR AFRICAN AMERICAN</b>	<b>140</b>	Reference Range: > OR = 60 mL/min/1.73m2
<b>BUN/CREATININE RATIO</b>	<b>NOT APPLICABLE</b>	Reference Range: 6-22 (calc)
<b>SODIUM</b>	<b>138</b>	Reference Range: 135-146 mmol/L
<b>POTASSIUM</b>	<b>3.7</b>	Reference Range: 3.4-4.8 mmol/L
<b>CHLORIDE</b>	<b>99</b>	Reference Range: 98-110 mmol/L
<b>CARBON DIOXIDE</b>	<b>25</b>	Reference Range: 20-32 mmol/L
<b>CALCIUM</b>	<b>9.6</b>	Reference Range: 8.6-10.3 mg/dL
<b>PROTEIN, TOTAL</b>	<b>7.6</b>	Reference Range: 6.4-8.4 g/dL
<b>ALBUMIN</b>	<b>4.7</b>	Reference Range: 3.6-5.1 g/dL
<b>GLOBULIN</b>	<b>2.9</b>	Reference Range: 2.2-4.0 g/dL (calc)
<b>ALBUMIN/GLOBULIN RATIO</b>	<b>1.6</b>	Reference Range: 0.9-2.3 (calc)
<b>BILIRUBIN, TOTAL</b>	<b>0.5</b>	Reference Range: 0.2-1.2 mg/dL
<b>ALKALINE PHOSPHATASE</b>	<b>40</b>	Reference Range: 36-130 U/L
<b>AST</b>	<b>17</b>	Reference Range: 10-40 U/L
<b>ALT</b>	<b>13</b>	Reference Range: 9-46 U/L

## VITAMIN D,25-OH,TOTAL,IA

Analyte	Value	
<b>VITAMIN D,25-OH,TOTAL,IA</b>	<b>30</b>	Reference Range: 30-100 ng/mL
Vitamin D Status                      25-OH Vitamin D:		
Deficiency:	<20 ng/mL	
Insufficiency:	20 - 29 ng/mL	
Optimal:	> or = 30 ng/mL	

For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions is required, the QuestAssured(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs).

## COMMENT

See Note 1

Note 1

For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ199> (This link is being provided for informational/ educational purposes only.)

## LIPID PANEL, STANDARD

Analyte	Value	
<b>CHOLESTEROL, TOTAL</b>	<b>145</b>	Reference Range: <200 mg/dL
<b>HDL CHOLESTEROL</b>	<b>41</b>	Reference Range: > OR = 40 mg/dL
<b>TRIGLYCERIDES</b>	<b>88</b>	Reference Range: <150 mg/dL
<b>LDL-CHOLESTEROL</b> Reference range: <100  Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.  LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C. Martin SS et al. JAMA. 2013;310(19): 2061-2068 ( <a href="http://education.QuestDiagnostics.com/faq/FAQ164">http://education.QuestDiagnostics.com/faq/FAQ164</a> )	<b>86</b>	mg/dL (calc)
<b>CHOL/HDL-C RATIO</b>	<b>3.5</b>	Reference Range: <5.0 (calc)
<b>NON HDL CHOLESTEROL</b>  For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.	<b>104</b>	Reference Range: <130 mg/dL (calc)

## THYROID PANEL WITH TSH

Analyte	Value	
<b>TSH</b>	<b>1.99</b>	Reference Range: 0.40-4.50 mIU/L

## THYROID PANEL

Analyte	Value	
<b>T3 UPTAKE</b>	<b>31</b>	Reference Range: 22-35 %
<b>T4 (THYROXINE), TOTAL</b>	<b>7.0</b>	Reference Range: 4.9-10.5 mcg/dL
<b>FREE T4 INDEX (T7)</b>	<b>2.2</b>	Reference Range: 1.4-3.8

## CBC (INCLUDES DIFF/PLT)

Analyte	Value	
<b>WHITE BLOOD CELL COUNT</b>	<b>4.8</b>	Reference Range: 3.8-10.8 Thousand/uL
<b>RED BLOOD CELL COUNT</b>	<b>4.78</b>	Reference Range: 4.20-5.80 Million/uL
<b>HEMOGLOBIN</b>	<b>13.6</b>	Reference Range: 13.2-17.1 g/dL
<b>HEMATOCRIT</b>	<b>40.2</b>	Reference Range: 38.5-50.0 %
<b>MCV</b>	<b>84.1</b>	Reference Range: 80.0-100.0 fL
<b>MCH</b>	<b>28.5</b>	Reference Range: 27.0-33.0 pg
<b>MCHC</b>	<b>33.8</b>	Reference Range: 32.0-36.0 g/dL

<b>RDW</b>	<b>12.5</b>	Reference Range: 11.0-15.0 %
<b>PLATELET COUNT</b>	<b>259</b>	Reference Range: 140-400 Thousand/uL
<b>MPV</b>	<b>12.0</b>	Reference Range: 7.5-12.5 fL
<b>ABSOLUTE NEUTROPHILS</b>	<b>2702</b>	Reference Range: 1500-7800 cells/uL
<b>ABSOLUTE LYMPHOCYTES</b>	<b>1483</b>	Reference Range: 850-3900 cells/uL
<b>ABSOLUTE MONOCYTES</b>	<b>389</b>	Reference Range: 200-950 cells/uL
<b>ABSOLUTE EOSINOPHILS</b>	<b>187</b>	Reference Range: 15-500 cells/uL
<b>ABSOLUTE BASOPHILS</b>	<b>38</b>	Reference Range: 0-200 cells/uL
<b>NEUTROPHILS</b>	<b>56.3</b>	%
<b>LYMPHOCYTES</b>	<b>30.9</b>	%
<b>MONOCYTES</b>	<b>8.1</b>	%
<b>EOSINOPHILS</b>	<b>3.9</b>	%
<b>BASOPHILS</b>	<b>0.8</b>	%



## VITAMIN B12/FOLATE, SERUM PANEL

Analyte	Value	
<b>VITAMIN B12</b>	<b>550</b>	Reference Range: 200-1100 pg/mL
<b>FOLATE, SERUM</b>	<b>19.6</b>	ng/mL
Reference Range		
Low: <3.4		
Borderline: 3.4-5.4		
Normal: >5.4		

### Performing Sites

UL Quest Diagnostics-Sacramento - Northgate, 3714 Northgate Blvd, Sacramento, CA 95834-1617 Laboratory Director: M. Rose Akin, M.D., FCAP

### Key

 Priority Out of Range  Out of Range

These results have been sent to the person who ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.

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