



[REDACTED]

Sex: M  
[REDACTED]  
[REDACTED]

Age: 27  
Fasting: N

[REDACTED]  
Report Status: FINAL / SEE REPORT

Collected: 07/14/2018 10:13  
Received: 07/14/2018 10:19  
Reported: 07/20/2018 17:09

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

FASTING:NO

## ▲ HEPATIC FUNCTION PANEL

Analyte	Value
PROTEIN, TOTAL	6.8 Reference Range: 6.1–8.1 g/dL
ALBUMIN	4.9 Reference Range: 3.6–5.1 g/dL
GLOBULIN	1.9 Reference Range: 1.9–3.7 g/dL (calc)
▲ ALBUMIN/GLOBULIN RATIO	2.6 H Reference Range: 1.0–2.5 (calc)
BILIRUBIN, TOTAL	0.8 Reference Range: 0.2–1.2 mg/dL
BILIRUBIN, DIRECT	0.2 Reference Range: < OR = 0.2 mg/dL
BILIRUBIN, INDIRECT	0.6 Reference Range: 0.2–1.2 mg/dL (calc)
ALKALINE PHOSPHATASE	56 Reference Range: 40–115 U/L
AST	35 Reference Range: 10–40 U/L
▲ ALT	47 H Reference Range: 9–46 U/L

## BASIC METABOLIC PANEL

Analyte	Value
GLUCOSE	89 Reference Range: 65–139 mg/dL
Non-fasting reference interval	
UREA NITROGEN (BUN)	20 Reference Range: 7–25 mg/dL
CREATININE	1.21 Reference Range: 0.60–1.35 mg/dL
eGFR NON-AFR. AMERICAN	82 Reference Range: > OR = 60 mL/min/1.73m2
eGFR AFRICAN AMERICAN	95 Reference Range: > OR = 60 mL/min/1.73m2
BUN/CREATININE RATIO	NOT APPLICABLE Reference Range: 6–22 (calc)
SODIUM	140 Reference Range: 135–146 mmol/L
POTASSIUM	4.4 Reference Range: 3.5–5.3 mmol/L
CHLORIDE	102 Reference Range: 98–110 mmol/L
CARBON DIOXIDE	29 Reference Range: 20–31 mmol/L
CALCIUM	10.2 Reference Range: 8.6–10.3 mg/dL

## QUESTASSURED 25-OH VIT D, (D2,D3), LC/MS/MS

Analyte	Value
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<b>VITAMIN D, 25 OH, TOTAL</b>	<b>71</b>	Reference Range: 30–100 ng/mL
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.		

<b>VITAMIN D, 25 OH, D3</b>	<b>71</b>	Reference Range: Not establish ng/mL
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<b>VITAMIN D, 25 OH, D2</b>	<b>&lt;4</b>	Reference Range: Not establish ng/mL
25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources such as diet or supplementation. Therapy is based on measurement of Total 25-OHD, with levels <20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are > or = 30 ng/mL.		

## ZINC

Analyte	Value	
<b>ZINC</b>	<b>78</b>	Reference Range: 60–130 mcg/dL <a href="#">See Note 1</a>

## TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)

Analyte	Value	
<b>TESTOSTERONE, TOTAL, LC/MS/MS</b>	<b>342</b>	Reference Range: 250–1100 ng/dL
For more information on this test, go to <a href="http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS">http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS</a>		
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.		
<b>FREE TESTOSTERONE</b>	<b>50.6</b>	Reference Range: 35.0–155.0 pg/mL <a href="#">See Note 1</a>

## TSH

Analyte	Value	
<b>TSH</b>	<b>1.85</b>	Reference Range: 0.40–4.50 mIU/L

## T4, FREE

Analyte	Value	
<b>T4, FREE</b>	<b>1.2</b>	Reference Range: 0.8–1.8 ng/dL

## IRON AND TOTAL IRON BINDING CAPACITY

Analyte	Value	
<b>IRON, TOTAL</b>	<b>119</b>	Reference Range: 50–195 mcg/dL
<b>IRON BINDING CAPACITY</b>	<b>338</b>	Reference Range: 250–425 mcg/dL (calc)
<b>% SATURATION</b>	<b>35</b>	Reference Range: 15–60 % (calc)

## FERRITIN

Analyte	Value
FERRITIN	197 Reference Range: 20-345 ng/mL

## DHEA SULFATE

Analyte	Value
DHEA SULFATE	481 Reference Range: 85-690 mcg/dL

Note 1 This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

### Performing Sites

AMD Quest Diagnostics/Nichols Chantilly-Chantilly VA, 14225 Newbrook Drive, Chantilly, VA 20151-2228 Laboratory Director: Patrick W Mason M.D., PhD  
 QBA Quest Diagnostics-Baltimore, 1901 Sulphur Spring Rd, Baltimore, MD 21227-2943 Laboratory Director: Edgar Khalluf  
 QHO Quest Diagnostics-Horsham, 900 Business Center Drive, Horsham, PA 19044-3432 Laboratory Director: Andrew S Edelman, MD PhD  
 QTE Quest Diagnostics-Teterboro, 1 Malcolm Ave, Teterboro, NJ 07608-1011 Laboratory Director: Lawrence Tsao MD

### 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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