

## EMICK, THOMAS P

DOB: 05/23/1973  
Sex: M  
Phone: (904) 868-5889  
Patient ID: ET837378

Age: 49  
Fasting: Y

Specimen: TZ705351G  
Requisition: 0003435  
Lab Reference ID: 2306BCQ2  
Report Status: FINAL / SEE REPORT

Collected: 04/26/2023 07:33  
Received: 04/26/2023 07:34  
Reported: 05/02/2023 14:55

Client #: 66093668  
HANEL, RICHARD  
FOCUSED MEN'S HEALTH CARE  
2760 US HIGHWAY 1 S  
SAINT AUGUSTINE, FL 32086-6343  
Phone: (904) 217-7058  
Fax: (904) 814-8149

FASTING: YES

### ▲ IRON, TIBC AND FERRITIN PANEL

Analyte	Value	
IRON, TOTAL	116	Reference Range: 50-180 mcg/dL
▲ IRON BINDING CAPACITY	437 H	Reference Range: 250-425 mcg/dL (calc)
% SATURATION	27	Reference Range: 20-48 % (calc)
FERRITIN	49	Reference Range: 38-380 ng/mL

### ▲ COMPREHENSIVE METABOLIC PANEL

Analyte	Value	
▲ GLUCOSE	107 H	Reference Range: 65-99 mg/dL
Fasting reference interval		
For someone without known diabetes, a glucose value between 100 and 125 mg/dL is consistent with prediabetes and should be confirmed with a follow-up test.		
UREA NITROGEN (BUN)	15	Reference Range: 7-25 mg/dL
CREATININE	1.04	Reference Range: 0.60-1.29 mg/dL
EGFR	88	Reference Range: > OR = 60 mL/min/1.73m2
The eGFR is based on the CKD-EPI 2021 equation. To calculate the new eGFR from a previous Creatinine or Cystatin C result, go to <a href="https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator">https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator</a>		
BUN/CREATININE RATIO	NOT APPLICABLE	Reference Range: 6-22 (calc)
SODIUM	139	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	27	Reference Range: 20-32 mmol/L
CALCIUM	9.5	Reference Range: 8.6-10.3 mg/dL
PROTEIN, TOTAL	7.2	Reference Range: 6.1-8.1 g/dL
ALBUMIN	4.4	Reference Range: 3.6-5.1 g/dL
GLOBULIN	2.8	Reference Range: 1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	1.6	Reference Range: 1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.4	Reference Range: 0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	80	Reference Range: 36-130 U/L
AST	32	Reference Range: 10-40 U/L

ALT

40 Reference Range: 9-46 U/L

**▲ VITAMIN D,25-OH,TOTAL,IA**

Analyte	Value
<b>▲ VITAMIN D,25-OH,TOTAL,IA</b>	<b>114 H</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 <a href="http://education.QuestDiagnostics.com/faq/FAQ199">http://education.QuestDiagnostics.com/faq/FAQ199</a> (This link is being provided for informational/ educational purposes only.)	

**▲ CBC (INCLUDES DIFF/PLT)**

Analyte	Value
WHITE BLOOD CELL COUNT	<b>7.3</b> Reference Range: 3.8-10.8 Thousand/uL
<b>▲ RED BLOOD CELL COUNT</b>	<b>6.77 H</b> Reference Range: 4.20-5.80 Million/uL
HEMOGLOBIN	<b>17.0</b> Reference Range: 13.2-17.1 g/dL
<b>▲ HEMATOCRIT</b>	<b>53.6 H</b> Reference Range: 38.5-50.0 %
<b>▲ MCV</b>	<b>79.2 L</b> Reference Range: 80.0-100.0 fL
<b>▲ MCH</b>	<b>25.1 L</b> Reference Range: 27.0-33.0 pg
<b>▲ MCHC</b>	<b>31.7 L</b> Reference Range: 32.0-36.0 g/dL
<b>▲ RDW</b>	<b>16.8 H</b> Reference Range: 11.0-15.0 %
PLATELET COUNT	<b>258</b> Reference Range: 140-400 Thousand/uL
MPV	<b>9.6</b> Reference Range: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	<b>4292</b> Reference Range: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	<b>2051</b> Reference Range: 850-3900 cells/uL
ABSOLUTE MONOCYTES	<b>715</b> Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	<b>168</b> Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	<b>73</b> Reference Range: 0-200 cells/uL
NEUTROPHILS	<b>58.8</b> %
LYMPHOCYTES	<b>28.1</b> %
MONOCYTES	<b>9.8</b> %
EOSINOPHILS	<b>2.3</b> %
BASOPHILS	<b>1.0</b> %

## ▲ TESTOSTERONE, FREE (DIALYSIS) AND TOTAL,MS

Analyte	Value	
TESTOSTERONE, TOTAL, MS	824	Reference Range: 250-1100 ng/dL
For additional information, please refer to <a href="http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165">http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165</a> (This link is being provided for informational/educational purposes only.)		
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.		

▲ TESTOSTERONE, FREE **246.4 H** Reference Range: 35.0-155.0 pg/mL [See Note 1](#)

## IODINE, SERUM/PLASMA

Analyte	Value	
IODINE, SERUM/PLASMA	61	Reference Range: 52-109 mcg/L <a href="#">See Note 1</a>

## TSH+FREE T4

Analyte	Value	
TSH	<b>2.65</b>	Reference Range: 0.40-4.50 mIU/L
T4, FREE	<b>1.1</b>	Reference Range: 0.8-1.8 ng/dL

## T3, FREE

Analyte	Value	
T3, FREE	<b>3.9</b>	Reference Range: 2.3-4.2 pg/mL

## ESTRADIOL

Analyte	Value	
ESTRADIOL	<b>34</b>	Reference Range: < OR = 39 pg/mL
Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).		
Please note: patients being treated with the drug fulvestrant (Faslodex(R)) have demonstrated significant interference in immunoassay methods for estradiol measurement. The cross reactivity could lead to falsely elevated estradiol test results leading to an inappropriate clinical assessment of estrogen status. Quest Diagnostics order code 30289-Estradiol, Ultrasensitive LC/MS/MS demonstrates negligible cross reactivity with fulvestrant.		

---

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 Dr, Chantilly, VA 20151-2228 Laboratory Director: Patrick W Mason M.D.,PhD

TP Quest Diagnostics-Tampa, 4225 E Fowler Ave, Tampa, FL 33617-2026 Laboratory Director: Weston H Rothrock 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.

Quest, Quest Diagnostics, the associated logo, Nichols Institute, Interactive Insights and all associated Quest Diagnostics marks are the registered trademarks of Quest Diagnostics. All third party marks - '®' and '™' - are the property of their respective owners. Privacy policy can be found at: <http://questdiagnostics.com/home/privacy-policy/online-privacy.html>. © 2022 Quest Diagnostics Incorporated. All rights reserved.

