

HANCOCK, TENISHA

DOB: 04/21/1978 Age: 46 Specimen: AZ374388H
Sex: F Fasting: Requisition: 0002373
Phone: (203) 953-6199 Lab Reference ID: 1593981
Patient ID: 1921649 Report Status: FINAL / SEE REPORT

Collected: 05/31/2024 15:09
Received: 05/31/2024 15:12
Reported: 06/04/2024 15:00

Client #: 10485914
HANCOCK, MARK
HUMANIZING MEDICINE
135 MAPLE ST BLDG A
DECATUR, GA 30030-3953
Phone: (470) 891-8140
Fax: (470) 575-2575

▲ IRON, TIBC AND FERRITIN PANEL

Analyte	Value	
IRON, TOTAL	46	Reference Range: 40-190 mcg/dL
▲ IRON BINDING CAPACITY	239 L	Reference Range: 250-450 mcg/dL (calc)
% SATURATION	19	Reference Range: 16-45 % (calc)
FERRITIN	142	Reference Range: 16-232 ng/mL

▲ TESTOSTERONE, FREE, BIOAVAILABLE AND TOTAL, MS

Analyte	Value	
ALBUMIN	4.2	Reference Range: 3.6-5.1 g/dL
▲ SEX HORMONE BINDING GLOBULIN	133.3 H	Reference Range: 17-124 nmol/L
TESTOSTERONE, TOTAL, MS	7	Reference Range: 2-45 ng/dL

For additional information, please refer to
<https://education.questdiagnostics.com/faq/FAQ165>
(This link is being provided for informational/educational purposes only.)
(Note)

This test was developed and its analytical performance characteristics have been determined by medfusion. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

MDF
med fusion
2501 South State Highway 121, Suite 1100
Lewisville TX 75067
972-966-7300
Ithiel James L. Frame, MD, PhD

TESTOSTERONE, FREE AND BIOAVAILABLE

Analyte	Value	
TESTOSTERONE, FREE	0.2	Reference Range: 0.2-5.0 pg/mL
TESTOSTERONE, BIOAVAILABLE	0.5	Reference Range: 0.5-8.5 ng/dL

CALCITRIOL 1,25 DIHYDROXYVITAMIN D

Analyte	Value	
VITAMIN D, 1,25 (OH) ₂ , TOTAL	32	Reference Range: 18-72 pg/mL
VITAMIN D3, 1,25 (OH) ₂	32	pg/mL

VITAMIN D2, 1,25 (OH)2

<8 pg/mL

(Note) Vitamin D3, 1,25(OH)2 indicates both endogenous production and supplementation. Vitamin D2, 1,25(OH)2 is an indicator of exogenous sources, such as diet or supplementation. Interpretation and therapy are based on measurement of Vitamin D, 1,25 (OH)2, Total.

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

MDF med fusion 2501 South State Highway 121, Suite 1100 Lewisville TX 75067 972-966-7300 Ithiel James L. Frame, MD, PhD

FSH AND LH

Analyte	Value
FSH	23.8 mIU/mL
Reference Range	
Follicular Phase	2.5-10.2
Mid-cycle Peak	3.1-17.7
Luteal Phase	1.5- 9.1
Postmenopausal	23.0-116.3
LH	8.0 mIU/mL
Reference Range	
Follicular Phase	1.9-12.5
Mid-Cycle Peak	8.7-76.3
Luteal Phase	0.5-16.9
Postmenopausal	10.0-54.7

SED RATE BY MODIFIED WESTERGREN

Analyte	Value
SED RATE BY MODIFIED WESTERGREN	17 Reference Range: < OR = 20 mm/h

HS CRP

Analyte	Value
HS CRP	1.8 mg/L
Reference Range	
Optimal <1.0	
Jellinger PS et al. Endocr Pract.2017;23(Suppl 2):1-87.	
For ages >17 Years:	
hs-CRP mg/L	Risk According to AHA/CDC Guidelines
<1.0	Lower relative cardiovascular risk.
1.0-3.0	Average relative cardiovascular risk.
3.1-10.0	Higher relative cardiovascular risk.
	Consider retesting in 1 to 2 weeks to exclude a benign transient elevation in the baseline CRP value secondary to infection or inflammation.
>10.0	Persistent elevation, upon retesting, may be associated with infection and inflammation.

Pearson TA, Mensah GA, Alexander RW, et al. Markers of inflammation and cardiovascular disease: application to clinical and public health practice: A statement for healthcare professionals from the Centers for Disease Control and Prevention and the American Heart Association. Circulation 2003; 107(3): 499-511.

DHEA SULFATE

Analyte	Value
DHEA SULFATE	41 Reference Range: 15-205 mcg/dL
DHEA-S values fall with advancing age. For reference, the reference intervals for 31-40 year old patients are:	
Male: 93-415 mcg/dL	
Female: 19-237 mcg/dL	

FOLATE, RBC

Analyte	Value
FOLATE, RBC	648 Reference Range: >280 ng/mL RBC

PROLACTIN

Analyte	Value
PROLACTIN	6.0 ng/mL
Reference Range	
Females	
Non-pregnant	3.0-30.0
Pregnant	10.0-209.0
Postmenopausal	2.0-20.0

TSH

Analyte	Value
TSH	1.15 mIU/L
Reference Range	
> or = 20 Years 0.40-4.50	
Pregnancy Ranges	
First trimester	0.26-2.66
Second trimester	0.55-2.73
Third trimester	0.43-2.91

VITAMIN B12

Analyte	Value
VITAMIN B12	980 Reference Range: 200-1100 pg/mL

ESTRADIOL

Analyte	Value
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ESTRADIOL

43 pg/mL

Reference Range	
Follicular Phase:	19-144
Mid-Cycle:	64-357
Luteal Phase:	56-214
Postmenopausal:	< or = 31

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.

HCG, TOTAL, QN

Analyte	Value
HCG, TOTAL, QN	<5 mIU/mL
Reference Range	
Nonpregnant or premenopausal	<5
Postmenopausal	<10

Values from different assay methods may vary. The use of this assay to monitor or to diagnose patients with cancer or any condition unrelated to pregnancy has not been cleared or approved by the FDA or the manufacturer of the assay.

Performing Sites

AT Quest Diagnostics-Atlanta, 1777 Montreal Circle, Tucker, GA 30084-6802 Laboratory Director: Dr Andrew N Young
Z3E MedFusion-MedFusion, 2501 South State Highway 121, Suite 1100, Lewisville, TX 75067-8188 Laboratory Director: Ithiel James L Frame MD, PhD

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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