



Patient Information	Specimen Information	Client Information
<p>[REDACTED]</p> <p>AGE: 45</p> <p>Gender: NG Fasting: U</p> <p>Patient ID: NG</p>	<p>Specimen: [REDACTED]</p> <p>Collected: 03/09/2017 / 10:50 CST</p> <p>Received: 03/09/2017 / 01:00 CST</p> <p>Reported: 03/12/2017 / 17:52 CDT</p>	<p>[REDACTED]</p> <p>[REDACTED]</p>

Test Name	In Range	Out Of Range	Reference Range	Lab
TESTOSTERONE, TOTAL, LC/MS/MS	365	800 - 1000	See Below ng/dL	

Reference Range: M:250-1100 F:2-45

*** Unable to flag abnormal result(s), please refer to reference range(s) below:

Reference Ranges for Testosterone, Total, LC/MS/MS (ng/dL):

Age	Male	Female
**Cord Blood	17-61	16-44
**1-10 days	187 or less	24 or less
**1- 3 months	72 - 344	17 or less
**3- 5 months	201 or less	12 or less
**5- 7 months	59 or less	13 or less
**7-12 months	16 or less	11 or less
1- 5.9 years	5 or less	8 or less
6 -7.9 years	25 or less	20 or less
8-10.9 years	42 or less	35 or less
11-11.9 years	260 or less	40 or less
12-13.9 years	420 or less	40 or less
14-17.9 years	1000 or less	40 or less
18-Old Age	250 - 1100	2 - 45

**Data from J Clin Invest 1974;53:819-828 and J Clin Endocrinol

Metab 1973;36:1132-1142

FREE TESTOSTERONE

43.9

See Below pg/mL

Reference Range: M:35.0-155.0 F:0.1-6.4

*** Unable to flag abnormal result(s), please refer to reference range(s) below:

Reference Ranges for Testosterone, Free:

Age	Male	Female
<5 years	Not Established	
5 - 9 years	5.3 or less	.2 - 5.0
10 - 13 years	.7 - 52.0	.1 - 7.4
14 - 18 years	18.0 - 111.0	.5 - 3.9
19 - 69 years	35.0 - 155.0	.1 - 6.4
70 - 89 years	30.0 - 135.0	.2 - 3.7

- UT D 90 days 10,000 then 5,000

- BIM

- 25 mg 2x/wk

- H₂O Before



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Test Name	In Range	Out Of Range	Reference Range	Lab
MCH	28.3		27.0-33.0 pg	
MCHC	32.8		32.0-36.0 g/dL	
RDW	14.1		11.0-15.0 %	
PLATELET COUNT	332		140-400 Thousand/uL	
MPV		7.3 L	7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	6615		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2509		850-3900 cells/uL	
ABSOLUTE MONOCYTES	519		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	98		15-500 cells/uL	
ABSOLUTE BASOPHILS	59		0-200 cells/uL	
NEUTROPHILS	67.5		%	
LYMPHOCYTES	25.6		%	
MONOCYTES	5.3		%	
EOSINOPHILS	1.0		%	
BASOPHILS	0.6		%	
ESTRADIOL	25		pg/mL	QDV
Reference Range				
Female:				
Follicular Phase			19-144	
Mid-Cycle			64-357	
Luteal Phase			56-214	
Postmenopausal			< or = 31	
Male:			< or = 39	

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.

PSA, TOTAL 0.4 ng/mL QDV

This test was performed using the Siemens chemiluminescent method. Values obtained from different assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

Reference Range
Female: Not established
Male: < or = 4.0

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



Patient Information	Specimen Information	Client Information
AGE: 45 Gender: NG Fasting: U Phone: NG Patient ID: NG	Specimen: Requisition: 3453405 Lab Ref #: 7035036134534050 Collected: 03/09/2017 / 10:50 CST Received: 03/09/2017 / 01:00 CST Reported: 03/12/2017 / 17:52 CDT	Client #:

Test Name	In Range	Out Of Range	Reference Range	Lab
COMPREHENSIVE METABOLIC PANEL				QDV
GLUCOSE		101 H	65-99 mg/dL	

Fasting reference interval

UREA NITROGEN (BUN)	21	mg/dL
CREATININE	1.02	mg/dL

Age and/or gender not provided. Unable to calculate eGFR.

Reference Range
Male: 0.60-1.35
Female: 0.50-1.10
Unable to flag appropriately
due to gender not provided.

BUN/CREATININE RATIO	NOT APPLICABLE	6-22 (calc)
SODIUM	137	135-146 mmol/L
POTASSIUM	4.9	3.5-5.3 mmol/L
CHLORIDE	102	98-110 mmol/L
CARBON DIOXIDE	24	18-29 mmol/L
CALCIUM	10.3	mg/dL

Reference Range
Male: 8.6-10.3
Female: 8.6-10.2
Unable to flag appropriately
due to gender not provided.

PROTEIN, TOTAL	7.9	6.1-8.1 g/dL
ALBUMIN	4.7	3.6-5.1 g/dL
GLOBULIN	3.2	1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	1.5	1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.8	0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	94	33-115 U/L
AST	18	10-40 U/L
ALT	19	U/L

Reference range
Male: 9-46
Female: 6-29
Unable to flag appropriately
due to gender not provided.

TSH	1.23	0.40-4.50 mIU/L	QDV
T4 (THYROXINE), TOTAL	8.3	4.5-12.0 mcg/dL	QDV
T3, FREE	4.0	2.3-4.2 pg/mL	KS
THYROID PEROXIDASE ANTIBODIES	<1	<9 IU/mL	KS
CBC (INCLUDES DIFF/PLT)			QDV
WHITE BLOOD CELL COUNT	9.8	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT		4.33-5.31 Million/uL	
HEMOGLOBIN	16.0	13.7-16.3 g/dL	
HEMATOCRIT	48.7	41.5-49.5 %	
MCV	86.2	80.0-100.0 fL	



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Endocrinology

Test Name	Result	Reference Range	Lab
QUESTASSURED 25-OH VIT D, (D2,D3), LC/MS/MS VITAMIN D, 25-OH, TOTAL	28 L	30-100 ng/mL	SLI
<p>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.</p>			
VITAMIN D, 25-OH, D3	28	See Below ng/mL	
Reference Range: Not established			
VITAMIN D, 25-OH, D2	<4	See Below ng/mL	
Reference Range: Not established			
Physician Comments:			

PERFORMING SITE:

KS QUEST DIAGNOSTICS LENEXA, 10101 RENNER BLVD, LENEXA, KS 66219-9752 Laboratory Director: WILLIAM BECKER, DO, MPH, CLIA: 17D0648226
QDV QUEST DIAGNOSTICS DENVER, 695 SOUTH BROADWAY, DENVER, CO 80209-4003 Laboratory Director: WILLIAM J. BECKER, DO, MPH, CLIA: 06D0514225
SLI QUEST DIAGNOSTICS NICHOLS VALENCIA, 27027 TOURNEY ROAD, VALENCIA, CA 91355-5386 Laboratory Director: BASEL KASHLAN, MD, FCAP, CLIA: 05D0550302

LIST OF RESULTS PRINTED IN THE OUT OF RANGE COLUMN:

GLUCOSE	101 H	65-99 mg/dL	QDV
Fasting reference interval			
VITAMIN D, 25-OH, TOTAL	28 L	30-100 ng/mL	SLI
<p>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.</p>			
RED BLOOD CELL COUNT	5.65 H	4.33-5.31 Million/uL	QDV
MPV	7.3 L	7.5-12.5 fL	QDV

26 Quoc 3/8