

Report Status FINAL

Route 2023 Ordered by:
My Dr Now Gilbert
428 S Gilbert Rd
Suite 101
Gilbert, AZ 85296



**Sonora Quest
Laboratories™**

A Subsidiary of Laboratory Sciences of Arizona

Jolly Abraham, NP

Patient Information:

AGBOR, BESSEM

Account: 12159
ID/MR#: 520094
Patient Lab ID:
678228e74ee8620729a6835c

Collected: 11/04/2025 01:23 PM
Received: 11/04/2025 01:26 PM
Reported: 11/12/2025 04:55 AM

Order #: 121595012972 / NL118511202

DOB: 03/28/1989 Age: 36Y-7M-7D
Sex: F Fasting: Yes
Patient Phone: 480-953-1714

ORDER COMMENTS

520094
FASTING

TEST	RESULTS	REFERENCE RANGES	UNITS	PL
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HEMATOLOGY**CBC w/ Differential, w/ Platelet**

WBC	5.0	4.0 - 11.0	k/mm3	
RBC	4.16	3.70 - 5.40	m/mm3	
Hemoglobin	12.5	12.0 - 16.0	g/dL	
Hematocrit	38.6	35.0 - 48.0	%	
MCV	92.8	78.0 - 100.0	fL	
MCH	30.0	27.0 - 34.0	pg	
MCHC	32.4	31.0 - 37.0	g/dL	
Platelet Count	278	130 - 450	k/mm3	
RDW(sd)	44.0	38.0 - 49.0	fL	
RDW(cv)	12.9	11.0 - 15.0	%	
MPV	11.9	9.0 - 12.0	fL	
Segmented Neutrophils	34.8*		%	
Lymphocytes	54.1		%	
Monocytes	9.1		%	
Eosinophils	1.4		%	
Basophils	0.4		%	
Absolute Neutrophil	1.7	1.5 - 7.8	k/uL	
Absolute Lymphocyte	2.7	0.9 - 3.9	k/uL	
Absolute Monocyte	0.5	0.2 - 1.0	k/uL	
Absolute Eosinophil	0.1	0.0 - 0.6	k/uL	
Absolute Basophil	0.0	0.0 - 0.2	k/uL	
Immature Granulocytes	0.2		%	
Absolute Immature Granulocytes	0.0	0.0 - 0.1	k/uL	
NRBC RE, Nucleated Red Blood Cell Percent	0.0	0.0 - 1.0	%	

*Segmented Neutrophils: Automated Diff

CHEMISTRY

CRP <3.0 ≤4.9 mg/L
Significant decreases in C-reactive protein may be observed in patients treated with carboxypenicillins.

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Distribution #: 846217931-46973245



Result Report

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FSH 5.9 See Comment mIU/mL

FSH Reference Ranges:

Female Adult Reference Ranges:

Follicular: 3.5-12.5 mIU/mL

Midcycle: 4.7-21.5 mIU/mL

Luteal: 1.7-7.7 mIU/mL

Postmenopausal: 25.8-134.8 mIU/mL

Male Adult Reference Range: 1.5-12.4 mIU/mL

No reference ranges established for pediatric patients.

Luteinizing Hormone 3.2 See Comment mIU/mL

Luteinizing Hormone Reference Ranges:

Female Adult Reference Ranges:

Follicular: 2.4-12.6 mIU/mL

Midcycle: 14.0-95.6 mIU/mL

Luteal: 1.0-11.4 mIU/mL

Postmenopausal: 7.7-58.5 mIU/mL

Male Adult Reference Range: 1.7-8.6 mIU/mL

No reference ranges established for pediatric patients.

Prolactin 9.1 3.3 - 26.7 ng/mL

Prolactin Reference Ranges:

Adult Female Reference Ranges:

Non-pregnant (<50 yrs): 3.3- 26.7 ng/mL

Pregnant: 10.0-209.0 ng/mL

Post-menopausal (>49 yrs): 2.7- 19.6 ng/mL

Adult Male Reference Range: 2.5-22.5 ng/mL

Prolactin Pediatric (<19 years) Tanner Stages:

Male ng/mL Female ng/mL

Tanner Stage I <10.1 3.6-12.0

Tanner Stage II-III <6.2 2.6-18.0

Tanner Stage IV-V 2.8-11.0 3.2-20.0

Overnight fasting is preferred. Nonfasting samples may have elevated results.

Progesterone 0.35 See Comment ng/mL

Progesterone Reference Ranges:

Adult Female Reference Ranges:

Non-Pregnant Female:

Follicular 0.06 - 0.89 ng/mL

Ovulation 0.12 - 12.00 ng/mL

Luteal 1.83 - 23.90 ng/mL

Post-Menopausal
(50 years and older): <0.14 ng/mL

Pregnant:

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First Trimester	11.00 - 44.30 ng/mL
Second Trimester	25.40 - 83.30 ng/mL
Third Trimester	58.70 - 214.00 ng/mL

Adult Male Reference Range: <0.47 ng/mL

No reference ranges established for pediatric patients.

Estradiol Total 27 See Comment pg/mL

Estradiol Reference Ranges:

Estradiol Adult Reference Ranges:

Follicular:	12-233 pg/mL
Ovulation:	41-398 pg/mL
Luteal:	22-341 pg/mL
Postmenopausal:	<139 pg/mL
Pregnancy (1st Trimester):	154-3243 pg/mL
Pregnancy (2nd Trimester):	1561-21280 pg/mL
Pregnancy (3rd Trimester):	>8525 pg/mL

Male Reference Range: <45 pg/mL

No reference ranges established for pediatric patients.

DHEA Sulfate	308 H	45 - 295	ug/dL
Insulin, Fasting	3	2 - 25	uIU/mL
Cortisol, Total, Serum	7.3	2.5 - 19.5	ug/dL

Serum Cortisol Reference Ranges:

Collection Time:	Reference Range:
7:00-9:00 AM	4.8-19.5 ug/dL
3:00- 5:00 PM	2.5-11.9 ug/dL

Vitamin D, 25-Hydroxy, Total 29.50 ≥20.00 ng/mL

Vitamin D, 25-OH, Total:

<10 ng/mL	Severe Deficiency
10 - 19 ng/mL	Mild/Moderate Deficiency
20 - 50 ng/mL	Optimum
51 - 150 ng/mL	Increased Risk of Hypercalciuria
>150 ng/mL	Possible Toxicity

Reference intervals apply to males and females, all ages.

Clinical decision values based on 2011 report by the Institute of Medicine (US).

Leptin **3.5 L** ng/mL NL

Reference Ranges for Leptin:

Adult Lean Subjects (18-71 years) with BMI range of 18-25:

Males: 0.3-13.4 ng/mL

Females: 4.7-23.7 ng/mL

Adult Subjects (19-60 years) with BMI range of 25-30:

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Males: 1.8-19.9 ng/mL

Females: 8.0-38.9 ng/mL

Pediatric Reference Ranges for Leptin:

5-9.9 years: 0.6-16.8 ng/mL

10-13.9 years: 1.4-16.5 ng/mL

14-17.9 years: 0.6-24.9 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 the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Testosterone, Total, MS

27

2-45

ng/dL

NL

For additional information, please refer to

<http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS>

(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. 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.

Anti-Mullerian Hormone (AMH)

3.19

0.15 - 7.50

ng/mL

Note: New reference range effective 1/23/2023

TSH with Reflex Free T4

TSH, High Sensitivity

1.03

0.27 - 4.20

mU/L

Iron and TIBC

Iron

117*

35 - 175

ug/dL

TIBC

305

250 - 400

ug/dL

% Saturation

38

15 - 45

%

*Iron:

The normal range is based on fasting specimens drawn before 10:00 AM. Iron levels have a diurnal fluctuation of up to 30%, peaking in the morning hours.

Comprehensive Metabolic Panel

Glucose

84*

70 - 99

mg/dL

Urea Nitrogen (BUN)

11

6 - 19

mg/dL

Creatinine

0.70

0.51 - 1.08

mg/dL

eGFRcr CKD-EPI

114*

≥60

mL/min/1.73m2

BUN/Creatinine Ratio

15.7

10.0 - 28.0

Sodium

141

135 - 145

mmol/L

Potassium

3.9

3.6 - 5.3

mmol/L

Chloride

103

98 - 108

mmol/L

Carbon Dioxide (CO2)

25

20 - 31

mmol/L

Anion Gap

13

4 - 18

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Protein, Total	6.7	6.3 - 8.0	g/dL
Albumin	4.1	3.8 - 5.1	g/dL
Globulin	2.7	1.7 - 3.3	g/dL
Albumin/Globulin Ratio	1.5	1.3 - 2.7	
Calcium	9.0	8.7 - 10.4	mg/dL
Alkaline Phosphatase	86	37 - 127	IU/L
Alanine Aminotransferase	27	5 - 46	IU/L
Aspartate Aminotransferase	19	11 - 40	IU/L
Bilirubin, Total	0.8	≤1.0	mg/dL

*Glucose: Glucose reference range reflects fasting state.

*eGFRcr CKD-EPI: eGFRcr calculated using the CKD-EPI 2021 equation

Lipid Panel

Cholesterol	157	≤199	mg/dL
Triglycerides	46	≤149	mg/dL
Cholesterol/HDL Ratio	3.3	≤4.4	
HDL Cholesterol	47 L	≥50	mg/dL
Non-HDL Cholesterol	110	≤129	mg/dL
LDL Cholesterol, Calculated	100 H *	≤99	mg/dL
VLDL Cholesterol	10	≤29	mg/dL

*LDL Cholesterol, Calculated: LDL-C is calculated by using the Martin-Hopkins equation. (JAMA. 2013;310(19):2061-2068)

For moderately high risk and high risk cardiac patients, reference levels of <100 mg/dL and <70 mg/dL, respectively, should be considered. Circulation 2004; 110:227-239.

TEST	RESULTS	REFERENCE RANGES	UNITS	RELATIVE RISK	PL
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CARDIOVASCULAR TESTING**Cardio IQ Hemoglobin A1c***

Hemoglobin A1c	5.6*	≤5.6	%	Optimal
Estimated Average Glucose (eAG)	114	Not Established		
*Hemoglobin A1c:	The American Diabetes Association (ADA) guidelines for interpreting Hemoglobin A1c are as follows:			
	Non-Diabetic patient:	≤5.6%		
	Increased risk for future Diabetes:	5.7-6.4%		
	ADA diagnostic criteria for Diabetes:	>=6.5%		

For most patients, a reasonable goal for therapy is <7%. For patients with limited life expectancy or where the harms of treatment are greater than the benefits, a goal of <8% may be more appropriate. In pregnant patients, a more stringent goal of <6% may be appropriate or <7% if there is a risk of hypoglycemia. Diabetes Care. 2023; 46(Suppl 1):S254-S266.

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*Cardio IQ Hemoglobin
A1c:

If the presence of a hemoglobin variant is suspected, do not use % HbA1c results for diagnosis of diabetes mellitus.

In uncontrolled diabetics, high levels of Hemoglobin F (Hb F) may be present. Presence of Hb F greater than 7% of total may result in lower than expected % HbA1c.

Any cause that shortens erythrocyte survival or decreases mean erythrocyte age may reduce expected % HbA1c values even in the presence of elevated average blood glucose. Causes may include hemolytic disease, homozygous sickle cell trait, pregnancy, and recent significant/chronic blood loss. In addition, recent blood transfusions can alter expected % HbA1c values.

Tests Ordered: Lipid Panel; Iron and TIBC; CRP; CBC w/ Differential, w/ Platelet; Cortisol, Total, Serum; Prolactin; DHEA Sulfate; Estradiol Total; FSH; Insulin, Fasting; Luteinizing Hormone; Progesterone; TSH with Reflex Free T4; Comprehensive Metabolic Panel; Testosterone, Total, MS; Vitamin D, 25-Hydroxy, Total; Leptin; Cardio IQ Hemoglobin A1c; Anti-Mullerian Hormone (AMH)

Values Outside of Reference Range

TEST	RESULTS	REFERENCE RANGES	UNITS
DHEA Sulfate	308 H	45 - 295	ug/dL
Leptin	3.5 L		ng/mL
HDL Cholesterol	47 L	≥ 50	mg/dL
LDL Cholesterol, Calculated	100 H	≤ 99	mg/dL

Values listed above may not include all results considered abnormal for this patient (e.g., text-only results, such as those for some pathology/cytology specimens, and results for analytes without established reference ranges will not appear). Always review the entire patient report and correlate all results with the patient's clinical condition.

Unless otherwise noted, testing performed by: Sonora Quest Laboratories, 424 S 56th St, Phoenix, AZ 85034
800.766.6721 Laboratory Director: Dr. Regina Van Buren

Testing noted as NL performed by: Quest Diagnostics Nichols Institute (SJC), 33608 Ortega Hwy, San Juan Capistrano, CA 92690
800.642.4657 Laboratory Director:

End of Report

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