

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851

DOB: 11/30/1980

Gender: Male Age: 44

Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
------	----------	--------------	-----------------	-----

FASTING: YES

FASTING: YES

IRON, TIBC AND FERRITIN PANEL Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC				
IRON, TOTAL	141		50-180 mcg/dL	UL
IRON BINDING CAPACITY	284		250-425 mcg/dL (calc)	UL
% SATURATION		50 H	20-48 % (calc)	UL
FERRITIN	182		38-380 ng/mL	UL

LIPOPROTEIN (a) Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC				
LIPOPROTEIN (a)	<10		nmol/L	EN

Verified by repeat analysis.

Reference Range &lt;75

Risk:

Optimal &lt;75

Moderate 75-125

High &gt;125

Cardiovascular event risk category  
 cut points (optimal, moderate, high)  
 are based on Tsimika S. JACC  
 2017;69:692-711.

URIC ACID Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC				
URIC ACID	5.5		4.0-8.0 mg/dL	UL

Therapeutic target for gout patients: &lt;6.0 mg/dL

COMPREHENSIVE METABOLIC PANEL Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC				
--	--	--	--	--

GLUCOSE	95		65-99 mg/dL	UL
---------	----	--	-------------	----

Fasting reference interval

UREA NITROGEN (BUN)	15		7-25 mg/dL	UL
CREATININE	1.11		0.60-1.29 mg/dL	UL
EGFR	84		> OR = 60 mL/min/1.73m2	UL
BUN/CREATININE RATIO	SEE NOTE:		6-22 (calc)	UL

Not Reported: BUN and Creatinine are within  
 reference range.



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851

DOB: 11/30/1980

Gender: Male Age: 44

Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
SODIUM	138		135-146 mmol/L	UL
POTASSIUM	4.3		3.5-5.3 mmol/L	UL
CHLORIDE	104		98-110 mmol/L	UL
CARBON DIOXIDE	26		20-32 mmol/L	UL
CALCIUM	9.2		8.6-10.3 mg/dL	UL
PROTEIN, TOTAL	6.8		6.1-8.1 g/dL	UL
ALBUMIN	4.6		3.6-5.1 g/dL	UL
GLOBULIN	2.2		1.9-3.7 g/dL (calc)	UL
ALBUMIN/GLOBULIN RATIO	2.1		1.0-2.5 (calc)	UL
BILIRUBIN, TOTAL	1.1		0.2-1.2 mg/dL	UL
ALKALINE PHOSPHATASE	50		36-130 U/L	UL
AST	22		10-40 U/L	UL
ALT	29		9-46 U/L	UL

**ALBUMIN, RANDOM URINE W/O CREATININE** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

ALBUMIN, URINE	0.4	See Note: mg/dL	UL
----------------	-----	-----------------	----

Reference Range:

Reference Range

Not established

RAM

UL

The ADA defines abnormalities in albumin excretion as follows:

Albuminuria Category	Result (mg/g creatinine)
Normal to Mildly increased	<30
Moderately increased	30-299
Severely increased	> OR = 300

The ADA recommends that at least two of three specimens collected within a 3-6 month period be abnormal before considering a patient to be within a diagnostic category.

**URINALYSIS, COMPLETE** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

COLOR	YELLOW	YELLOW	UL
APPEARANCE	CLEAR	CLEAR	UL
SPECIFIC GRAVITY	1.013	1.001-1.035	UL
PH	6.0	5.0-8.0	UL
GLUCOSE	NEGATIVE	NEGATIVE	UL
BILIRUBIN	NEGATIVE	NEGATIVE	UL
KETONES	NEGATIVE	NEGATIVE	UL
OCCULT BLOOD	NEGATIVE	NEGATIVE	UL



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851  
 DOB: 11/30/1980  
 Gender: Male Age: 44  
 Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
PROTEIN	NEGATIVE		NEGATIVE	UL
NITRITE	NEGATIVE		NEGATIVE	UL
LEUKOCYTE ESTERASE	NEGATIVE		NEGATIVE	UL
WBC	NONE SEEN		< OR = 5 /HPF	UL
RBC	NONE SEEN		< OR = 2 /HPF	UL
SQUAMOUS EPITHELIAL CELLS	NONE SEEN		< OR = 5 /HPF	UL
BACTERIA	NONE SEEN		NONE SEEN /HPF	UL
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	UL
NOTE				UL

This urine was analyzed for the presence of WBC, RBC, bacteria, casts, and other formed elements. Only those elements seen were reported.

**CBC (INCLUDES DIFF/PLT)** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

WHITE BLOOD CELL COUNT	5.2	3.8-10.8 Thousand /uL	UL
RED BLOOD CELL COUNT	5.01	4.20-5.80 Million/uL	UL
HEMOGLOBIN	16.1	13.2-17.1 g/dL	UL
HEMATOCRIT	47.8	38.5-50.0 %	UL
MCV	95.4	80.0-100.0 fL	UL
MCH	32.1	27.0-33.0 pg	UL
MCHC	33.7	32.0-36.0 g/dL	UL
For adults, a slight decrease in the calculated MCHC value (in the range of 30 to 32 g/dL) is most likely not clinically significant; however, it should be interpreted with caution in correlation with other red cell parameters and the patient's clinical condition.			
RDW	11.9	11.0-15.0 %	UL
PLATELET COUNT	232	140-400 Thousand /uL	UL
MPV	10.1	7.5-12.5 fL	UL
ABSOLUTE NEUTROPHILS	2808	1500-7800 cells/uL	UL
ABSOLUTE LYMPHOCYTES	1695	850-3900 cells/uL	UL
ABSOLUTE MONOCYTES	582	200-950 cells/uL	UL
ABSOLUTE EOSINOPHILS	62	15-500 cells/uL	UL
ABSOLUTE BASOPHILS	52	0-200 cells/uL	UL
NEUTROPHILS	54	%	UL
LYMPHOCYTES	32.6	%	UL
MONOCYTES	11.2	%	UL
EOSINOPHILS	1.2	%	UL
BASOPHILS	1.0	%	UL

**HS CRP** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851  
 DOB: 11/30/1980  
 Gender: Male Age: 44  
 Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
HS CRP	0.6		mg/L	UL

Reference Range

Optimal &lt;1.0

Jellinger PS et al. Endocr Pract.2017;23(Suppl 2):1-87.

For ages &gt;17 Years:

hs-CRP mg/L Risk According to AHA/CDC Guidelines

&lt;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.

CORTISOL, TOTAL, LC/MS Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

CORTISOL, TOTAL, LC/MS	9.9		mcg/dL	EZ
------------------------	-----	--	--------	----

Adult Reference Ranges for Cortisol, Total:

8-10 AM 4.6-20.6 mcg/dL

4-6 PM 1.8-13.6 mcg/dL

Cortisol Response to ACTH

Peak &gt;20.0 mcg/dL

Peak &gt;16.0 mcg/dL after IM injection

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.

INSULIN Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

INSULIN	5.8		uIU/mL	EN
---------	-----	--	--------	----



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851  
 DOB: 11/30/1980  
 Gender: Male Age: 44  
 Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
------	----------	--------------	-----------------	-----

Reference Range &lt; or = 18.4

## Risk:

Optimal < or = 18.4  
 Moderate NA  
 High >18.4

Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on Insulin Reference Interval studies performed at Quest Diagnostics in 2022.

T4, FREE Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

T4, FREE	1.3	0.8-1.8 ng/dL	UL
----------	-----	---------------	----

TSH Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

TSH	0.93	0.40-4.50 mIU/L	UL
-----	------	-----------------	----

T3, FREE Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

T3, FREE	3.9	2.3-4.2 pg/mL	UL
----------	-----	---------------	----

VITAMIN D,25-OH,TOTAL,IA Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

VITAMIN D,25-OH,TOTAL,IA	41	30-100 ng/mL	UL
--------------------------	----	--------------	----

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).

See Note 1

APOLIPOPROTEIN B Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

APOLIPOPROTEIN B	101 H	mg/dL	EN
------------------	-------	-------	----

Reference Range &lt; 90

## Risk Category:

Optimal <90  
 Moderate 90-119  
 High > or = 120



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851

DOB: 11/30/1980

Gender: Male Age: 44

Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur,  
D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
Cardiovascular event risk category cut points (optimal, moderate, high) are based on National Lipid Association recommendations-Jacobson TA et al. J of Clin Lipid. 2015; 9: 129-169 and Jellinger PS et al. Endocr Pract. 2017;23(Suppl 2):1-87.				

**HEMOGLOBIN A1c** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

HEMOGLOBIN A1c 5.3 &lt;5.7 % of total Hgb UL

For the purpose of screening for the presence of diabetes:

<5.7% Consistent with the absence of diabetes  
 5.7-6.4% Consistent with increased risk for diabetes (prediabetes)  
 > or =6.5% Consistent with diabetes

This assay result is consistent with a decreased risk of diabetes.

Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.

According to American Diabetes Association (ADA) guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes(ADA).

**MERCURY, BLOOD** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

MERCURY, BLOOD &lt;4 &lt;OR=10 mcg/L EN

See Note 2

Note 1

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

Note 2

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851  
 DOB: 11/30/1980  
 Gender: Male Age: 44  
 Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
------	----------	--------------	-----------------	-----

FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

**ABO GROUP AND RH TYPE** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

ABO GROUP	O	UL
RH TYPE	RH(D) NEGATIVE	UL

For additional information, please refer to  
<http://education.QuestDiagnostics.com/faq/FAQ111>  
 (This link is being provided for informational/  
 educational purposes only.)

**MAGNESIUM, RBC** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

MAGNESIUM, RBC	5.6	4.0-6.4 mg/dL	Z3E
----------------	-----	---------------	-----

(Note)

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.

MDF

med fusion

2501 South State Highway 121, Suite 1100  
 Lewisville TX 75067  
 972-966-7300

Ithiel James L. Frame, MD, PhD

**LIPOPROTEIN FRACTIONATION ION MOBILITY** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

<b>LDL PARTICLE NUMBER</b>	<b>1652 H</b>	<1138 nmol/L	Z4M
----------------------------	---------------	--------------	-----

Relative Risk: Optimal <1138; Moderate 1138-1409; High >1409. Male and Female Reference Range: 1016 to 2185 nmol/L.

<b>LDL SMALL</b>	<b>427 H</b>	<142 nmol/L	Z4M
------------------	--------------	-------------	-----

Relative Risk: Optimal <142; Moderate 142-219; High >219.  
 Male Reference Range: 123 to 441 nmol/L; Female Reference Range: 115 to 386 nmol/L.

<b>LDL MEDIUM</b>	<b>287 H</b>	<215 nmol/L	Z4M
-------------------	--------------	-------------	-----

Relative Risk: Optimal <215; Moderate 215-301; High >301.  
 Male Reference Range: 167 to 485 nmol/L; Female Reference Range: 121 to 397 nmol/L.

<b>HDL LARGE</b>	<b>3516 L</b>	>6729 nmol/L	Z4M
------------------	---------------	--------------	-----

Relative Risk: Optimal >6729; Moderate 6729-5353; High <5353. Male Reference Range: 4334 to 10815 nmol/L; Female Reference Range: 5038 to 17886 nmol/L.

<b>LDL PATTERN</b>	<b>B A</b>	A Pattern	Z4M
--------------------	------------	-----------	-----



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.

## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851  
 DOB: 11/30/1980  
 Gender: Male Age: 44  
 Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur, D.O.**

600 Congress Avenue  
 Floor 14  
 Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
------	----------	--------------	-----------------	-----

Relative Risk: Optimal Pattern A; High Pattern B. Reference Range: Pattern A.

**LDL PEAK SIZE****209.7 L** >222.9 Angstrom Z4M

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab. 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. Relative Risk: Optimal >222.9; Moderate 222.9-217.4; High <217.4. Male and Female Reference Range: 216 to 234.3 Angstrom. Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on an adult U.S. reference population plus two large cohort study populations. Association between lipoprotein subfractions and cardiovascular events is based on Musunuru et al. ATVB.2009;29:1975. For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ134> (This link is being provided for informational/educational purposes only.)

**CARDIO IQ(R) LIPID PANEL** Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

CHOLESTEROL, TOTAL	194	<200 mg/dL	Z4M
HDL CHOLESTEROL	47	>39 mg/dL	Z4M
TRIGLYCERIDES	111	<150 mg/dL	Z4M
<b>LDL-CHOLESTEROL</b>	<b>125 H</b>	<100 mg/dL (calc)	Z4M

Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with >= 2 CHD risk factors.  
 LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C. Martin SS et al. JAMA. 2013;310(19):2061-2068 (<http://education.QuestDiagnostics.com/faq/FAQ164>)  
 LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C.  
 Martin SS et al. JAMA. 2013;310(19): 2061-2068 (<http://education.QuestDiagnostics.com/faq/FAQ164>)

CHOL/HDL-C RATIO	4.1	<5.0 calc	Z4M
<b>NON HDL CHOLESTEROL</b>	<b>147 H</b>	<130 mg/dL (calc)	Z4M

For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.  
 For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.



## PATIENT INFORMATION:

**Joel Corcoran**

Phone (H): (833) 753-1851

DOB: 11/30/1980

Gender: Male Age: 44

Patient ID: 53573860

STATUS: Final

Source: Quest  
 Time Reported: 01/21/2025 08:57 PM UTC  
 Received: 01/21/2025 09:04 PM UTC  
 Accession Number: SZ687587R  
 Lab Ref #: 915188

## ORDERING PHYSICIAN:

**Joshua A Emdur,  
D.O.**600 Congress Avenue  
Floor 14  
Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
(LDL-C of <70 mg/dL) is considered a therapeutic option.				

Enhanced PDF Report SZ687587R-1 Collected: 01/13/2025 05:55 PM UTC Received: 01/13/2025 05:56 PM UTC

Enhanced PDF Report SZ687587R- Enhanced PDF Report SZ687587R-1.pdf [See Appendix 1 for details]

1

UL	Quest Diagnostics-Sacramento - Northgate. 3714 Northgate Blvd, Sacramento, CA 95834-1617	Dir: Lorne L Holland
EN	Quest Diagnostics-West Hills. 8401 Fallbrook Ave, West Hills, CA 91304-3226	Dir: Thomas J McDonald
EZ	Quest Diagnostics/Nichols SJC-San Juan Capistrano., 33608 Ortega Hwy, San Juan Capistrano, CA 92675-2042	Dir: Irina Maramica MD,PhD,MBA
Z3E	MedFusion-MedFusion. 2501 South State Highway 121, Suite 1100, Lewisville, TX 75067-8188	Dir: Ithiel James L Frame MD,PhD
Z4M	Cleveland HeartLab Inc.-Cleveland HeartLab Inc.. 6701 Carnegie Ave, Suite 500, Cleveland, OH 44103-4623	Dir: Sami Albeiroti PhD,DABCC

Range Flags Legend: L - Below low normal; H - Above high normal; A - Abnormal;



HEALTH GORILLA™

Printed from Health Gorilla Secure Clinical Network. Copyright © 2025 Health Gorilla Inc.  
<https://www.healthgorilla.com>

The contents of this document and/or fax transmission are intended only for the use of the individual or entity to which they are addressed and may contain information that is legally privileged, confidential and exempt from disclosure, including protected health information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this document is strictly prohibited. If you have received or obtained this document or fax transmission in error, please notify the original sender or contact Health Gorilla Inc. at 1-844-446-7455 immediately by telephone or by email at [privacy@healthgorilla.com](mailto:privacy@healthgorilla.com) and delete this document immediately.



**Report Status: Final**  
**CORCORAN, JOEL**

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M            Fasting: Y Phone: 833.753.1851 Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Requisition: 0069519 Lab Ref #: 915188  Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267    MAIL992 EMDUR, JOSHUA FUNCTION HEALTH INC 600 CONGRESS AVE FL 14 AUSTIN, TX 78701-3263

**COMMENTS:**      FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
IRON, TIBC AND FERRITIN PANEL				
IRON AND TOTAL IRON				UL
BINDING CAPACITY				
IRON, TOTAL	141		50-180 mcg/dL	
IRON BINDING CAPACITY	284		250-425 mcg/dL (calc)	
% SATURATION		50 H	20-48 % (calc)	
FERRITIN	182		38-380 ng/mL	UL
LIPOPROTEIN (a)	<10		nmol/L	EN
Verified by repeat analysis.				
Reference Range <75				
Risk:				
Optimal <75				
Moderate 75-125				
High >125				
Cardiovascular event risk category cut points (optimal, moderate, high) are based on Tsimika S. JACC 2017;69:692-711.				
ALBUMIN, RANDOM URINE				UL
W/O CREATININE				
ALBUMIN, URINE	0.4		mg/dL	
Reference Range				
Not established				

The ADA defines abnormalities in albumin excretion as follows:

Albuminuria Category	Result (mg/g creatinine)
Normal to Mildly increased	<30
Moderately increased	30-299
Severely increased	> OR = 300

The ADA recommends that at least two of three specimens collected within a 3-6 month period be abnormal before considering a patient to be within a diagnostic category.

HS CRP	0.6	mg/L	UL
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			



Report Status: Final  
CORCORAN, JOEL

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M    Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
<p>to infection or inflammation.            Persistent elevation, upon retesting,            may be associated with infection and            inflammation.</p> <p>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.</p>				
<b>APOLIPOPROTEIN B</b>		<b>101 H</b>	mg/dL Reference Range < 90	EN
			Risk Category: Optimal <90 Moderate 90-119 High > or = 120	
			Cardiovascular event risk category cut points (optimal, moderate, high) are based on National Lipid Association recommendations-Jacobson TA et al. J of Clin Lipid. 2015; 9: 129-169 and Jellinger PS et al. Endocr Pract. 2017;23(Suppl 2):1-87.	
COMPREHENSIVE METABOLIC PANEL				UL
GLUCOSE	95		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	15		7-25 mg/dL	
CREATININE	1.11		0.60-1.29 mg/dL	
EGFR	84		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	SEE NOTE:		6-22 (calc)	
			Not Reported: BUN and Creatinine are within reference range.	
SODIUM	138		135-146 mmol/L	
POTASSIUM	4.3		3.5-5.3 mmol/L	
CHLORIDE	104		98-110 mmol/L	
CARBON DIOXIDE	26		20-32 mmol/L	
CALCIUM	9.2		8.6-10.3 mg/dL	
PROTEIN, TOTAL	6.8		6.1-8.1 g/dL	
ALBUMIN	4.6		3.6-5.1 g/dL	
GLOBULIN	2.2		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	2.1		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	1.1		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	50		36-130 U/L	
AST	22		10-40 U/L	
ALT	29		9-46 U/L	
HEMOGLOBIN A1c	5.3		<5.7 % of total Hgb	UL
			For the purpose of screening for the presence of diabetes:	



Report Status: Final  
CORCORAN, JOEL

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M    Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
-----------	----------	--------------	-----------------	-----

<5.7%      Consistent with the absence of diabetes  
5.7-6.4%      Consistent with increased risk for diabetes  
                    (prediabetes)  
> or =6.5%      Consistent with diabetes

This assay result is consistent with a decreased risk of diabetes.

Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.

According to American Diabetes Association (ADA) guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes(ADA).

URIC ACID	5.5	4.0-8.0 mg/dL	UL
Therapeutic target for gout patients: <6.0 mg/dL			

TSH	0.93	0.40-4.50 mIU/L	UL
T4, FREE	1.3	0.8-1.8 ng/dL	UL
T3, FREE	3.9	2.3-4.2 pg/mL	UL
CBC (INCLUDES DIFF/PLT)			UL

WHITE BLOOD CELL COUNT	5.2	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.01	4.20-5.80 Million/uL	
HEMOGLOBIN	16.1	13.2-17.1 g/dL	
HEMATOCRIT	47.8	38.5-50.0 %	
MCV	95.4	80.0-100.0 fL	
MCH	32.1	27.0-33.0 pg	
MCHC	33.7	32.0-36.0 g/dL	

For adults, a slight decrease in the calculated MCHC value (in the range of 30 to 32 g/dL) is most likely not clinically significant; however, it should be interpreted with caution in correlation with other red cell parameters and the patient's clinical condition.

RDW	11.9	11.0-15.0 %	
PLATELET COUNT	232	140-400 Thousand/uL	
MPV	10.1	7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	2808	1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1695	850-3900 cells/uL	
ABSOLUTE MONOCYTES	582	200-950 cells/uL	
ABSOLUTE EOSINOPHILS	62	15-500 cells/uL	
ABSOLUTE BASOPHILS	52	0-200 cells/uL	
NEUTROPHILS	54	%	
LYMPHOCYTES	32.6	%	
MONOCYTES	11.2	%	
EOSINOPHILS	1.2	%	
BASOPHILS	1.0	%	
URINALYSIS, COMPLETE			UL
COLOR	YELLOW	YELLOW	
APPEARANCE	CLEAR	CLEAR	
SPECIFIC GRAVITY	1.013	1.001-1.035	
PH	6.0	5.0-8.0	



Report Status: Final  
CORCORAN, JOEL

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M    Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
GLUCOSE	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
KETONES	NEGATIVE		NEGATIVE	
OCCULT BLOOD	NEGATIVE		NEGATIVE	
PROTEIN	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVE		NEGATIVE	
LEUKOCYTE ESTERASE	NEGATIVE		NEGATIVE	
WBC	NONE SEEN		< OR = 5 /HPF	
RBC	NONE SEEN		< OR = 2 /HPF	
SQUAMOUS EPITHELIAL CELLS	NONE SEEN		< OR = 5 /HPF	
BACTERIA	NONE SEEN		NONE SEEN /HPF	
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	

This urine was analyzed for the presence of WBC, RBC, bacteria, casts, and other formed elements. Only those elements seen were reported.

CORTISOL, TOTAL, LC/MS                      9.9                      mcg/dL                      EZ

Adult Reference Ranges for Cortisol, Total:

8-10 AM    4.6-20.6 mcg/dL  
4-6 PM    1.8-13.6 mcg/dL

Cortisol Response to ACTH  
Peak >20.0 mcg/dL  
Peak >16.0 mcg/dL after IM injection

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.

INSULIN                      5.8                      uIU/mL                      EN  
Reference Range    < or = 18.4

Risk:  
Optimal                      < or = 18.4  
Moderate                      NA  
High                      >18.4

Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on Insulin Reference Interval studies performed at Quest Diagnostics in 2022.

MERCURY, BLOOD                      <4                      <OR=10 mcg/L                      EN

**See Endnote 1**

ABO GROUP AND RH TYPE                                                                UL  
ABO GROUP                      O  
RH TYPE                      RH(D) NEGATIVE

For additional information, please refer to



**Report Status: Final**  
**CORCORAN, JOEL**

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M            Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
<a href="http://education.QuestDiagnostics.com/faq/FAQ111">http://education.QuestDiagnostics.com/faq/FAQ111</a> (This link is being provided for informational/educational purposes only.)				
MAGNESIUM, RBC	5.6		4.0-6.4 mg/dL	Z3E
(Note) 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.				
MDF med fusion 2501 South State Highway 121,Suite 1100 Lewisville TX 75067 972-966-7300 Ithiel James L. Frame, MD, PhD				

**Endnote 1**

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.



**Report Status: Final**  
**CORCORAN, JOEL**

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M      Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

### Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	41	30-100 ng/mL	UL
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).			
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.)			
Physician Comments:			



**Report Status: Final**  
**CORCORAN, JOEL**

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M    Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

### Cardio IQ®

Test Name	Current		Risk/Reference Interval			Units	Historical Result & Risk
	Result & Risk		Optimal	Moderate	High		
	Optimal	Non-Optimal					
<b>LIPID PANEL</b>							
CHOLESTEROL, TOTAL	194		<200	N/A	>=200	mg/dL	
HDL CHOLESTEROL	47		>=40	N/A	<40	mg/dL	
TRIGLYCERIDES	111		<150	150-199	>=200	mg/dL	
LDL-CHOLESTEROL	125		<100	100-129	>129	mg/dL (calc)	
CHOL/HDLRATIO	4.1		<=3.5	3.6-5.0	>5.0	calc	
NON-HDL CHOLESTEROL	147		<130	130-189	>=190	mg/dL (calc)	
<b>LIPOPROTEIN FRACTIONATION, ION MOBILITY</b>							
LDL PARTICLE NUMBER	1652		<1138	1138-1409	>1409	nmol/L	
LDL SMALL	427		<142	142-219	>219	nmol/L	
LDL MEDIUM	287		<215	215-301	>301	nmol/L	
HDL LARGE	3516		>6729	6729-5353	<5353	nmol/L	
LDL PATTERN	B		A	N/A	B	Pattern	
LDL PEAK SIZE	209.7		>222.9	222.9-217.4	<217.4	Angstrom	

For details on reference ranges please refer to the reference range/comment section of the report.

**Medical Information For Healthcare Providers:** If you have questions about any of the tests in our Cardio IQ offering, please call Client Services at our Quest Diagnostics-Cleveland HeartLab Cardiometabolic Center of Excellence. They can be reached at 866.358.9828, option 1 to arrange a consult with our clinical education team.





**Report Status: Final**  
**CORCORAN, JOEL**

Patient Information	Specimen Information	Client Information
<b>CORCORAN, JOEL</b>  <b>DOB: 11/30/1980    AGE: 44</b> Gender: M    Fasting: Y Patient ID: 53573860 Health ID: 8573036010014334	Specimen: SZ687587R Collected: 01/13/2025 / 09:55 PST Received: 01/13/2025 / 21:34 PST Reported: 01/21/2025 / 12:57 PST	Client #: 73917267 EMDUR, JOSHUA

#### Reference Range/Comments

Analyte Name	In Range	Out Range	Reference Range	Lab
HDL LARGE		<b>3516</b>	>6729 nmol/L	Z4M
Relative Risk: Optimal >6729; Moderate 6729-5353; High <5353. Male Reference Range: 4334 to 10815 nmol/L; Female Reference Range: 5038 to 17886 nmol/L.				
LDL MEDIUM		<b>287</b>	<215 nmol/L	Z4M
Relative Risk: Optimal <215; Moderate 215-301; High >301. Male Reference Range: 167 to 485 nmol/L; Female Reference Range: 121 to 397 nmol/L.				
LDL PARTICLE NUMBER		<b>1652</b>	<1138 nmol/L	Z4M
Relative Risk: Optimal <1138; Moderate 1138-1409; High >1409. Male and Female Reference Range: 1016 to 2185 nmol/L.				
LDL PATTERN		<b>B</b>	A Pattern	Z4M
Relative Risk: Optimal Pattern A; High Pattern B. Reference Range: Pattern A.				
LDL PEAK SIZE		<b>209.7</b>	>222.9 Angstrom	Z4M
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab. 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. Relative Risk: Optimal >222.9; Moderate 222.9-217.4; High <217.4. Male and Female Reference Range: 216 to 234.3 Angstrom. Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on an adult U.S. reference population plus two large cohort study populations. Association between lipoprotein subfractions and cardiovascular events is based on Musunuru et al. ATVB.2009;29:1975. For additional information, please refer to <a href="http://education.QuestDiagnostics.com/faq/FAQ134">http://education.QuestDiagnostics.com/faq/FAQ134</a> (This link is being provided for informational/educational purposes only.)				
LDL SMALL		<b>427</b>	<142 nmol/L	Z4M
Relative Risk: Optimal <142; Moderate 142-219; High >219. Male Reference Range: 123 to 441 nmol/L; Female Reference Range: 115 to 386 nmol/L.				
LDL-CHOLESTEROL		<b>125</b>	<100 mg/dL (calc)	Z4M
Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with ≥ 2 CHD risk factors. LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C. Martin SS et al. JAMA. 2013;310(19): 2061-2068 ( <a href="http://education.QuestDiagnostics.com/faq/FAQ164">http://education.QuestDiagnostics.com/faq/FAQ164</a> )				
NON HDL CHOLESTEROL		<b>147</b>	<130 mg/dL (calc)	Z4M
For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.				
CHOL/HDL-C RATIO	<b>4.1</b>		<5.0 calc	Z4M
CHOLESTEROL, TOTAL	<b>194</b>		<200 mg/dL	Z4M
HDL CHOLESTEROL	<b>47</b>		>39 mg/dL	Z4M
TRIGLYCERIDES	<b>111</b>		<150 mg/dL	Z4M

#### PERFORMING SITE:

EN QUEST DIAGNOSTICS-WEST HILLS, 8401 FALLBROOK AVENUE, WEST HILLS, CA 91304-3226 Laboratory Director: THOMAS MCDONALD, MD, CLIA: 05D0642827  
 EZ QUEST DIAGNOSTICS/NICHOLS SJ, 33608 ORTEGA HWY, SAN JUAN CAPISTRANO, CA 92675-2042 Laboratory Director: IRINA MARAMICA, MD, PHD, MBA, CLIA: 05D0643352  
 UL QUEST DIAGNOSTICS SACRAMENTO, 3714 NORTHGATE BLVD, SACRAMENTO, CA 95834-1617 Laboratory Director: LORNE L. HOLLAND, MD, CLIA: 05D0644209  
 Z3E MEDFUSION, 2501 SOUTH STATE HIGHWAY 121 SUITE 1100, LEWISVILLE, TX 75067-8188 Laboratory Director: ITHIEL J FRAME, MD, PHD, CLIA: 45D2004217  
 Z4M CLEVELAND HEARTLAB INC, 6701 CARNEGIE AVENUE SUITE 500, CLEVELAND, OH 44103-4623 Laboratory Director: SAMI ALBEIROTI, PHD, DABCC, CLIA: 36D1032987