

PATIENT INFORMATION:

**Alexandru
Turca**

Phone (H):

DOB:

Gender: Male Age: 24

Patient ID: 82617501

STATUS: Final

Source: Quest
Collection Date: 12/19/2025 05:23 PM UTC
Time Reported: 12/29/2025 06:06 PM UTC
Received: 12/29/2025 06:12 PM UTC
Accession Number: SZ868509W
Lab Ref #: 2619023

ORDERING PHYSICIAN:

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

600 Congress Avenue
Floor 14
Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
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FASTING: YES

FASTING: YES

HIV 1/2 ANTIGEN/ANTIBODY,FOURTH GENERATION W/RFL Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

HIV FINAL INTERPRETATION	HIV NEGATIVE			UL
HIV-1 antigen and HIV-1/HIV-2 antibodies were not detected. There is no laboratory evidence of HIV infection.				
HIV AG/AB, SCREEN	NON-REACTIVE		NON-REACTIVE	UL

MICRONUTRIENT, VITAMIN B12 Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

VITAMIN B12	341		200-1100 pg/mL	AMD
-------------	-----	--	----------------	-----

Vitamin B12 works with folate and vitamin C to help the body make new proteins. It is necessary for normal red blood cell and white blood cell formation, repair of tissues and cells, synthesis of DNA, and neurologic health. Low vitamin B12 may be a result of alcoholism, malabsorption, vegan diets, and some medications.

For more information, visit
<https://ods.od.nih.gov/factsheets/VitaminB12-HealthProfessional/>

MICRONUTRIENT, CHROMIUM, BLOOD Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

CHROMIUM, BLOOD	<0.5		<=1.2 mcg/L	AMD
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Chromium is an essential element needed in small quantities in the diet. It is thought to help utilize carbohydrates, fats, and proteins. The amount of chromium in fruits and vegetables is dependent on the chromium in the soil and water.

For more information, visit
<https://ods.od.nih.gov/factsheets/Chromium-HealthProfessional/>

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 FDA. This



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

MICRONUTRIENT, MOLYBDENUM, BLOOD Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

MOLYBDENUM, BLOOD <0.5 <2.2 mcg/L AMD

Molybdenum is used to process proteins and DNA and also activates several enzymes that break down toxins and prevents the buildup of harmful sulfites in the body.

For more information, visit
<https://ods.od.nih.gov/factsheets/Molybdenum-HealthProfessional/>

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

IODINE, SERUM/PLASMA Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

IODINE, SERUM/PLASMA **46 L** 52-109 mcg/L AMD

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.

COPPER, BLOOD Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

COPPER, BLOOD 67 mcg/dL T7A

Reporting Limit: 20 mcg/dL

Normally: 80-180 mcg/dL.
Analysis by Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)
Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for



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elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen in a trace metal free container.

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration.

Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.

HSV 1/2 IGG, W/REFL HSV2 INHIBITION Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

HSV 1 IGG, TYPE SPECIFIC AB	<0.90	index	EN
HSV 2 IGG, TYPE SPECIFIC AB	<0.90	index	EN

Index	Interpretation
-----	-----
<0.90	Negative
0.90-1.09	Equivocal
>1.09	Positive

This assay utilizes recombinant type-specific antigens to differentiate HSV-1 from HSV-2 infections. A positive result cannot distinguish between recent and past infection. If results are negative or equivocal, consider repeat testing in 4-12 weeks with a new specimen. The performance characteristics of the assay have not been established for pediatric populations, immunocompromised patients, or neonatal screening.

Positive HSV-2 IgG samples with index values between 1.10-6.00 will reflex to the HSV-2 IgG inhibition test.

See Note 1

Note 1

For additional information, please refer to
<http://education.QuestDiagnostics.com/faq/FAQ73>



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FOOD SPECIFIC IGG ALLERGY (ADULT) PANEL Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

WHEAT (F4) IGG **7.2 H** <2.0 mcg/mL EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

TOMATO (F25) IGG **3.5 H** <2.0 mcg/mL EZ

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EGG WHITE (F1) IGG **3.9 H** <2.0 mcg/mL EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

CASEIN (F78) IGG **3.1 H** <2.0 mcg/mL EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG



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result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

MAIZE/CORN (F8) IGG**5.5 H** <2.0 mcg/mL

EZ

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YEAST (F45) IGG**4.7 H** <2.0 mcg/mL

EZ

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PEANUT (F13) IGG**2.5 H** <2.0 mcg/mL

EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

SOYBEAN (F14) IGG**2.9 H** <2.0 mcg/mL

EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG



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Test	In Range	Out Of Range	Reference Range	Lab
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result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

CODFISH (F3) IGG**2.6 H** <2.0 mcg/mL

EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

CACAO (CHOCOLATE) (F93) IGG**3.4 H** <2.0 mcg/mL

EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

COFFEE (F221) IGG**3.1 H** <2.0 mcg/mL

EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

FOLATE, RBC Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

FOLATE, RBC 399 >280 ng/mL RBC UL

ALLERGY-SHELLFISH PANEL Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

CRAB (F23) IGE <0.10 kU/L UL
CLASS 0 UL



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Test	In Range	Out Of Range	Reference Range	Lab
SHRIMP (F24) IGE	<0.10		kU/L	UL
CLASS	0			UL
LOBSTER (F80) IGE	<0.10		kU/L	UL
CLASS	0			UL
CLAM (F207) IGE	<0.10		kU/L	UL
CLASS	0			UL

FOOD AND TREE NUT ALLERGY PANEL Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

EGG WHITE (F1) IGE	<0.10		kU/L	UL
CLASS	0			UL
PEANUT (F13) IGE	<0.10		kU/L	UL
CLASS	0			UL
WHEAT (F4) IGE	<0.10		kU/L	UL
CLASS	0			UL
WALNUT (F256) IGE	<0.10		kU/L	UL
CLASS	0			UL
CODFISH (F3) IGE	<0.10		kU/L	UL
CLASS	0			UL
COW'S MILK (F2) IGE	<0.10		kU/L	UL
CLASS	0			UL
SOYBEAN (F14) IGE	<0.10		kU/L	UL
CLASS	0			UL
SHRIMP (F24) IGE	<0.10		kU/L	UL
CLASS	0			UL
SCALLOP (F338) IGE	<0.10		kU/L	UL
CLASS	0			UL
SESAME SEED (F10) IGE	<0.10		kU/L	UL
CLASS	0			UL
HAZELNUT (F17) IGE	<0.10		kU/L	UL
CLASS	0			UL
CASHEW NUT (F202) IGE	<0.10		kU/L	UL
CLASS	0			UL
ALMOND (F20) IGE	<0.10		kU/L	UL
CLASS	0			UL
SALMON (F41) IGE	<0.10		kU/L	UL
CLASS	0			UL
TUNA (F40) IGE	<0.10		kU/L	UL
CLASS	0			UL
BRAZIL NUT (F18) IGE	<0.10		kU/L	UL
CLASS	0			UL
MACADAMIA NUT (RF345) IGE **	<0.10		kU/L	UL
CLASS	0			UL



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Test	In Range	Out Of Range	Reference Range	Lab
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INTERPRETATION Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

INTERPRETATION

UL

Specific IGE Class	kU/L	Level of Allergen Specific IGE Antibody
0	<0.10	Absent/Undetectable
0/1	0.10-0.34	Very Low Level
1	0.35-0.69	Low Level
2	0.70-3.49	Moderate Level
3	3.50-17.4	High Level
4	17.5-49.9	Very High Level
5	50-100	Very High Level
6	>100	Very High Level

The clinical relevance of allergen results of 0.10-0.34 kU/L are undetermined and intended for specialist use.

Allergens denoted with a "***" include results using one or more analyte specific reagents. In those cases, the test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. 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.

CHLAMYDIA/N. GONORRHOEAE RNA, TMA, UROGENITAL Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

CHLAMYDIA TRACHOMATIS RNA, TMA, UROGENITAL	NOT DETECTED	NOT DETECTED	PU6
NEISSERIA GONORRHOEAE RNA, TMA, UROGENITAL	NOT DETECTED	NOT DETECTED	PU6
COMMENT			PU6

The analytical performance characteristics of this assay, when used to test SurePath(TM) specimens have been determined by Quest Diagnostics. The modifications have not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

For additional information, please refer to
<https://education.questdiagnostics.com/faq/FAQ154>



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TRICHOMONAS VAGINALIS RNA, QL TMA Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

TRICHOMONAS VAGINALIS RNA, QL TMA	NOT DETECTED	NOT DETECTED	PU6
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For additional information, please refer to
<http://education.questdiagnostics.com/faq/Trichomonastma>
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RPR (DX) W/REFL TITER AND T. PALLIDUM AB, IA Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

RPR (DX) W/REFL TITER AND CONFIRMATORY TESTING	NON-REACTIVE	NON-REACTIVE	UL
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No laboratory evidence of syphilis. If recent exposure is suspected, submit a new sample in 2-4 weeks.

VITAMIN A (RETINOL) Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

VITAMIN A (RETINOL) (Note)	56	38-98 mcg/dL	Z3E
-------------------------------	----	--------------	-----

**Clin Chem Vol. 34.No.8. pp1625-1628. 1998
Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.

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



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Test	In Range	Out Of Range	Reference Range	Lab
VITAMIN E (TOCOPHEROL) Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC				
VITAMIN E, ALPHA TOCOPHEROL	9.3		5.7-19.9 mg/L	Z3E
Levels of alpha-tocopherol <5 mg/L are consistent with Vitamin E deficiency in adults.				
VITAMIN E, BETA GAMMA TOCOPHEROL (Note)	<1.0		<4.4 mg/L	Z3E

Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.

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

SELENIUM Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC				
SELENIUM (Note)	100		63-160 mcg/L	Z3E
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

COENZYME Q10 Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC				
COENZYME Q10	0.83		>0.35 ug/mL	Z4M
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab.				



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PATIENT INFORMATION:

**Alexandru
Turca**

Phone (H):

DOB:

Gender: Male Age: 24

Patient ID: 82617501

STATUS: Final

Source: Quest
Collection Date: 12/19/2025 05:23 PM UTC
Time Reported: 12/29/2025 06:06 PM UTC
Received: 12/29/2025 06:12 PM UTC
Accession Number: SZ868509W
Lab Ref #: 2619023

ORDERING PHYSICIAN:

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

600 Congress Avenue
Floor 14
Austin, TX, 78701

Test	In Range	Out Of Range	Reference Range	Lab
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. Coenzyme Q10 is a key component of the electron transport chain, which creates energy. It is also involved in antioxidant pathways, including the regeneration of the protective functions of Vitamin E. CoQ10 may interact with the anticoagulant (blood thinner) warfarin and the diabetes drug insulin, and it may not be compatible with some types of cancer treatment. For more information, visit https://www.nccih.nih.gov/health/coenzyme-q10/.				

Enhanced PDF Report SZ868509W-1 Collected: 12/19/2025 05:23 PM UTC Received: 12/19/2025 05:23 PM UTC

Enhanced PDF Report
SZ868509W-1

Enhanced PDF Report SZ868509W-1.pdf [See Appendix 1 for details]

UL	Quest Diagnostics-Sacramento - Northgate. 3714 Northgate Blvd, Sacramento, CA 95834-1617	Dir: Lorne L Holland
AMD	Quest Diagnostics/Nichols Chantilly-Chantilly VA. 14225 Newbrook Dr, Chantilly, VA 20151-2228	Dir: Patrick W Mason M.D., PhD
T7A	NMS Labs. 200 Welsh Rd, Horsham, PA 19044-2208	Dir: Robert A Middleberg PH.D, F-ABFT
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
PU6	Quest Diagnostics-Sacramento. 3620 Northgate Blvd, Sacramento, CA 95834-1619	Dir: Shirley Y Shen
Z3E	MedFusion-MedFusion. 2501 South State Highway 121, Suite 1100, Lewisville, TX 75067-8065	Dir: Ithiel James L Frame MD, PhD
Z4M	Cleveland HeartLab Inc.-Cleveland HeartLab Inc.. 6701 Carnegie Ave, Suite 500, Cleveland, OH 44103-4623	Dir: Mohammad Q Ansari

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



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Report Status: Final
TURCANU, ALEXANDRU

Patient Information	Specimen Information	Client Information
TURCANU, ALEXANDRU DOB: 08/08/2001 AGE: 24 Gender: M Fasting: Y Phone: Patient ID: 82617501 Health ID: 8573038184859916	Specimen: SZ868509W Requisition: 0261307 Lab Ref #: 2619023 Collected: 12/19/2025 / 09:23 PST Received: 12/20/2025 / 00:30 PST Reported: 12/29/2025 / 10:06 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
FOOD SPECIFIC IGG ALLERGY (ADULT) PANEL				
WHEAT (F4) IGG		7.2 H	<2.0 mcg/mL	EZ

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

TOMATO (F25) IGG		3.5 H	<2.0 mcg/mL	EZ
-------------------------	--	--------------	-------------	----

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

EGG WHITE (F1) IGG		3.9 H	<2.0 mcg/mL	EZ
---------------------------	--	--------------	-------------	----

This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

CASEIN (F78) IGG		3.1 H	<2.0 mcg/mL	EZ
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This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.

MAIZE/CORN (F8) IGG		5.5 H	<2.0 mcg/mL	EZ
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This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or



Report Status: Final
TURCANU, ALEXANDRU

Patient Information	Specimen Information	Client Information
TURCANU, ALEXANDRU DOB: 08/08/2001 AGE: 24 Gender: M Fasting: Y Patient ID: 82617501 Health ID: 8573038184859916	Specimen: SZ868509W Collected: 12/19/2025 / 09:23 PST Received: 12/20/2025 / 00:30 PST Reported: 12/29/2025 / 10:06 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
YEAST (F45) IGG		4.7 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
PEANUT (F13) IGG		2.5 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
SOYBEAN (F14) IGG		2.9 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
CODFISH (F3) IGG		2.6 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
CACAO (CHOCOLATE) (F93) IGG		3.4 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or				



Report Status: Final
TURCANU, ALEXANDRU

Patient Information	Specimen Information	Client Information
TURCANU, ALEXANDRU DOB: 08/08/2001 AGE: 24 Gender: M Fasting: Y Patient ID: 82617501 Health ID: 8573038184859916	Specimen: SZ868509W Collected: 12/19/2025 / 09:23 PST Received: 12/20/2025 / 00:30 PST Reported: 12/29/2025 / 10:06 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
COFFEE (F221) IGG		3.1 H	<2.0 mcg/mL	EZ
This test was performed using a kit that has not been cleared or approved by the FDA. The analytical performance characteristics of this test have been determined by Quest Diagnostics. This test, and any food specific allergen IgG result, should not be used for the diagnosis of allergic or atopic disease states (except for sensitivity to milk in neonates and gluten sensitivity). The use of food specific allergen IgG results should be restricted to the assessment of response to therapeutic interventions.				
IODINE, SERUM/PLASMA		46 L	52-109 mcg/L	AMD
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.				
COPPER, BLOOD	67		mcg/dL	T7A
Reporting Limit: 20 mcg/dL Normally: 80-180 mcg/dL. Analysis by Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen in a trace metal free container. This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the US Food and Drug Administration. Digital data review may have taken place remotely by qualified NMS staff utilizing a secure VPN connection for some or all of the reported results. This is in accordance with and follows CLIA regulations.				
FOLATE, RBC	399		>280 ng/mL RBC	UL
HSV 1/2 IGG, W/REFL				EN
HSV2 INHIBITION				
HSV 1 IGG, TYPE SPECIFIC				
AB	<0.90		index	
HSV 2 IGG, TYPE SPECIFIC				
AB	<0.90		index	
	Index	Interpretation		
	-----	-----		



Report Status: Final
TURCANU, ALEXANDRU

Patient Information	Specimen Information	Client Information
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Test Name	In Range	Out Of Range	Reference Range	Lab
	<0.90	Negative		
	0.90-1.09	Equivocal		
	>1.09	Positive		

This assay utilizes recombinant type-specific antigens to differentiate HSV-1 from HSV-2 infections. A positive result cannot distinguish between recent and past infection. If results are negative or equivocal, consider repeat testing in 4-12 weeks with a new specimen. The performance characteristics of the assay have not been established for pediatric populations, immunocompromised patients, or neonatal screening.

Positive HSV-2 IgG samples with index values between 1.10-6.00 will reflex to the HSV-2 IgG inhibition test.

For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ73> (This link is being provided for informational/educational purposes only.)

CHLAMYDIA/N. GONORRHOEAE PU6

RNA, TMA, UROGENITAL

CHLAMYDIA TRACHOMATIS

RNA, TMA, UROGENITAL

NOT DETECTED

NOT DETECTED

NEISSERIA GONORRHOEAE

RNA, TMA, UROGENITAL

NOT DETECTED

NOT DETECTED

See Endnote 1

TRICHOMONAS VAGINALIS

RNA, QL TMA

NOT DETECTED

NOT DETECTED

PU6

For additional information, please refer to

[http://education.questdiagnostics.com/](http://education.questdiagnostics.com/faq/Trichomonastma)

[faq/Trichomonastma](http://education.questdiagnostics.com/faq/Trichomonastma)

(This link is being provided for informational/educational purposes only.)

RPR (DX) W/REFL TITER AND

T. PALLIDUM AB, IA

RPR (DX) W/REFL TITER AND

CONFIRMATORY TESTING

NON-REACTIVE

NON-REACTIVE

UL

No laboratory evidence of syphilis. If recent exposure is suspected, submit a new sample in 2-4 weeks.

VITAMIN A (RETINOL)
(Note)

56

38-98 mcg/dL

Z3E

****Clin Chem Vol. 34.No.8. pp1625-1628. 1998**

Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.

This test was developed and its analytical performance characteristics have been determined by Quest



Report Status: Final
TURCANU, ALEXANDRU

Patient Information	Specimen Information	Client Information
TURCANU, ALEXANDRU DOB: 08/08/2001 AGE: 24 Gender: M Fasting: Y Patient ID: 82617501 Health ID: 8573038184859916	Specimen: SZ868509W Collected: 12/19/2025 / 09:23 PST Received: 12/20/2025 / 00:30 PST Reported: 12/29/2025 / 10:06 PST	Client #: 73917267 EMDUR, JOSHUA

Test Name	In Range	Out Of Range	Reference Range	Lab
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

VITAMIN E (TOCOPHEROL) Z3E

VITAMIN E, ALPHA

TOCOPHEROL 9.3 5.7-19.9 mg/L

Levels of alpha-tocopherol <5 mg/L are consistent with Vitamin E deficiency in adults.

VITAMIN E, BETA GAMMA

TOCOPHEROL <1.0 <4.4 mg/L

(Note)

Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.

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

SELENIUM 100 63-160 mcg/L 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

COENZYME Q10 0.83 >0.35 ug/mL 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. Coenzyme Q10 is a key component of the electron transport chain, which creates energy. It is also involved in



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Test Name	In Range	Out Of Range	Reference Range	Lab
antioxidant pathways, including the regeneration of the protective functions of Vitamin E. CoQ10 may interact with the anticoagulant (blood thinner) warfarin and the diabetes drug insulin, and it may not be compatible with some types of cancer treatment. For more information, visit https://www.nccih.nih.gov/health/coenzyme-q10/ .				
Endnote 1 The analytical performance characteristics of this assay, when used to test SurePath(TM) specimens have been determined by Quest Diagnostics. The modifications have not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes. For additional information, please refer to https://education.questdiagnostics.com/faq/FAQ154 (This link is being provided for information/educational purposes only.)				



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Infectious Diseases

Test Name	Result	Reference Range	Lab
HIV 1/2 ANTIGEN/ANTIBODY,FOURTH GENERATION W/RFL			
HIV FINAL INTERPRETATION	HIV NEGATIVE		UL
HIV-1 antigen and HIV-1/HIV-2 antibodies were not detected. There is no laboratory evidence of HIV infection.			
HIV AG/AB, SCREEN	NON-REACTIVE	NON-REACTIVE	UL
Physician Comments:			



Report Status: Final
TURCANU, ALEXANDRU

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Micronutrients

Test Name	In Range	Out of Range	Reference Range	Population Distribution	Population Percentile	Historical Result
B-VITAMINS						
VITAMIN B12 Lab : AMD	341		200-1100 pg/mL	50.8 400 600 800 1,000 1,200 1,400 1,797.4 pg/mL	13.2%	-
MINERAL/ELEMENT						
CHROMIUM, BLOOD Lab : AMD	<0.5		<=1.2 mcg/L			-
MOLYBDENUM, BLOOD Lab : AMD	<0.5		<2.2 mcg/L			-



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TURCANU, ALEXANDRU

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Comments

Analyte Name
VITAMIN B12
Vitamin B12 works with folate and vitamin C to help the body make new proteins. It is necessary for normal red blood cell and white blood cell formation, repair of tissues and cells, synthesis of DNA, and neurologic health. Low vitamin B12 may be a result of alcoholism, malabsorption, vegan diets, and some medications. For more information, visit https://ods.od.nih.gov/factsheets/VitaminB12-HealthProfessional/
CHROMIUM, BLOOD
Chromium is an essential element needed in small quantities in the diet. It is thought to help utilize carbohydrates, fats, and proteins. The amount of chromium in fruits and vegetables is dependent on the chromium in the soil and water. For more information, visit https://ods.od.nih.gov/factsheets/Chromium-HealthProfessional/ 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 FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.
MOLYBDENUM, BLOOD
Molybdenum is used to process proteins and DNA and also activates several enzymes that break down toxins and prevents the buildup of harmful sulfites in the body. For more information, visit https://ods.od.nih.gov/factsheets/Molybdenum-HealthProfessional/ 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 FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

End Notes:

Population Distribution Interpretation:
Quest population data from 1/1/2020 to 3/16/2021 was used to build the population distribution curves. The x-axis represents the biomarker result value and the y-axis represents the patient kernel density estimate, which is a smoothed version of the histogram. Solid grey lines represent reference interval cutoffs. A data point at the extent of the x-axis may represent a value below/above the lower/upper limits of the x-axis range. The population percentile indicates where a patient's result is relative to the whole population. For example, a patient result labeled as 45th percentile means 45% of the population has a test result lower than this resulted value.



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ALLERGEN REPORT

FOOD AND TREE NUT ALLERGY PANEL		CLASS						
Performing Lab: UL		0	1	2	3	4	5	6
Test Name	Results kU/L							
EGG WHITE (F1) IGE	<0.10							
PEANUT (F13) IGE	<0.10							
WHEAT (F4) IGE	<0.10							
WALNUT (F256) IGE	<0.10							
CODFISH (F3) IGE	<0.10							
COW'S MILK (F2) IGE	<0.10							
SOYBEAN (F14) IGE	<0.10							
SHRIMP (F24) IGE	<0.10							
SCALLOP (F338) IGE	<0.10							
SESAME SEED (F10) IGE	<0.10							
HAZELNUT (F17) IGE	<0.10							
CASHEW NUT (F202) IGE	<0.10							
ALMOND (F20) IGE	<0.10							

FOOD AND TREE NUT ALLERGY PANEL		CLASS						
Performing Lab: UL		0	1	2	3	4	5	6
Test Name	Results kU/L							
SALMON (F41) IGE	<0.10							
TUNA (F40) IGE	<0.10							
BRAZIL NUT (F18) IGE	<0.10							
MACADAMIA NUT (RF345) IGE **	<0.10							

ALLERGY-SHELLFISH PANEL		CLASS						
Performing Lab: UL		0	1	2	3	4	5	6
Test Name	Results kU/L							
CRAB (F23) IGE	<0.10							
SHRIMP (F24) IGE	<0.10							
LOBSTER (F80) IGE	<0.10							
CLAM (F207) IGE	<0.10							

INTERPRETATION

See Endnote 1

Performing Lab: UL

Endnote 1

Specific IGE Class	kU/L	Level of Allergen Specific IGE Antibody
0	<0.10	Absent/Undetectable
0/1	0.10-0.34	Very Low Level
1	0.35-0.69	Low Level
2	0.70-3.49	Moderate Level
3	3.50-17.4	High Level
4	17.5-49.9	Very High Level
5	50-100	Very High Level
6	>100	Very High Level

The clinical relevance of allergen results of 0.10-0.34 kU/L are undetermined and intended for specialist use.

Allergens denoted with a "***" include results using one or more analyte specific reagents. In those cases, the test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. 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



Report Status: Final

TURCANU, ALEXANDRU

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and is used for clinical purposes.

PERFORMING SITE:

AMD	QUEST DIAGNOSTICS/NICHOLS CHANTILLY, 14225 NEWBROOK DRIVE, CHANTILLY, VA 20151-2228 Laboratory Director: PATRICK W. MASON,MD,PHD, CLIA: 49D0221801
AN	QUEST DIAGNOSTICS-WEST HILLS, 8401 FALLBROOK AVENUE, WEST HILLS, CA 91304-3226 Laboratory Director: THOMAS MCDONALD, MD, CLIA: 05D0642827
EZ	QUEST DIAGNOSTICS/NICHOLS SJC, 33608 ORTEGA HWY, SAN JUAN CAPISTRANO, CA 92675-2042 Laboratory Director: IRINA MARAMICA,MD,PHD,MBA, CLIA: 05D0643352
PU6	QUEST DIAGNOSTICS SACRAMENTO, 3620 NORTHGATE BLVD, SACRAMENTO, CA 95834-1619 Laboratory Director: SHIRLEY Y SHEN, MD, CLIA: 05D2101381
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