Patient ID:

Specimen ID: 358-535-0193-0

DOB: 04/08/1978

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024 Date Received: 12/23/2024 Date Reported: 01/08/2025 Fasting: Yes

Ordered Items: CBC With Differential/Platelet; Comp. Metabolic Panel (14); OmegaCheck(TM) (EPA+DPA+DHA); Lipid Panel w/ Chol/HDL Ratio; APOE Alzheimer's Risk; Vitamin E; Hgb A1c with eAG Estimation; Pregnenolone, MS; MTHFR; Thyroxine (T4) Free, Direct; Folate (Folic Acid), Serum; DHEA-Sulfate; Testosterone; TSH; FSH; Estradiol; Total Glutathione; Vitamin D, 25-Hydroxy; C-Reactive Protein, Cardiac; Homocyst(e)ine; Uric Acid; Thyroid Antibodies; Vitamin B12; Copper, Serum or Plasma; Zinc, Plasma or Serum; Progesterone; Insulin; Triiodothyronine (T3), Free; Magnesium, RBC; Cortisol - AM; Selenium, Serum/Plasma; Venipuncture

Date Collected: 12/23/2024

CBC With Differential/Platelet

Test	Current Result and Flag	Previous Re	Previous Result and Date		Reference Interval
WBC 01	5.8	5.3	07/07/2023	x10E3/uL	3.4-10.8
RBC ⁰¹	4.25	4.41	07/07/2023	x10E6/uL	3.77-5.28
Hemoglobin 01	13.6	14.4	07/07/2023	g/dL	11.1-15.9
Hematocrit ⁰¹	41.0	41.5	07/07/2023	%	34.0-46.6
MCV ⁰¹	97	94	07/07/2023	fL	79-97
MCH 01	32.0	32.7	07/07/2023	pg	26.6-33.0
MCHC 01	33.2	34.7	07/07/2023	g/dL	31.5-35.7
RDW 01	12.1	11.9	07/07/2023	%	11.7-15.4
Platelets 01	159	160	07/07/2023	x10E3/uL	150-450
Neutrophils 01	59	58	07/07/2023	%	Not Estab.
Lymphs ⁰¹	33	31	07/07/2023	%	Not Estab.
Monocytes 01	6	8	07/07/2023	%	Not Estab.
Eos 01	1	2	07/07/2023	%	Not Estab.
Basos 01	1	1	07/07/2023	%	Not Estab.
Neutrophils (Absolute) 01	3.4	3.2	07/07/2023	x10E3/uL	1.4-7.0
Lymphs (Absolute) 01	1.9	1.6	07/07/2023	x10E3/uL	0.7-3.1
Monocytes(Absolute) 01	0.3	0.4	07/07/2023	x10E3/uL	0.1-0.9
Eos (Absolute) 01	0.1	0.1	07/07/2023	x10E3/uL	0.0-0.4
Baso (Absolute) 01	0.0	0.0	07/07/2023	x10E3/uL	0.0-0.2
Immature Granulocytes 01	0	0	07/07/2023	%	Not Estab.
Immature Grans (Abs) 01	0.0	0.0	07/07/2023	x10E3/uL	0.0-0.1

Comp. Metabolic Panel (14)

	Test	Current Resu	lt and Flag	Previous Result and Date		Units	Reference Interval
	Glucose 01	78		84	07/07/2023	mg/dL	70-99
V	BUN ⁰¹	5	Low	5	07/07/2023	mg/dL	6-24
	Creatinine 01	0.69		0.81	07/07/2023	mg/dL	0.57-1.00
	eGFR	108		91	07/07/2023	mL/min/1.73	>59
_	BUN/Creatinine Ratio	7	Low	6	07/07/2023		9-23
	Sodium 01	139		138	07/07/2023	mmol/L	134-144
	Potassium ⁰¹	3.8		4.5	07/07/2023	mmol/L	3.5-5.2
	Chloride 01	106		105	07/07/2023	mmol/L	96-106
	Carbon Dioxide, Total 01	20				mmol/L	20-29
	Calcium ⁰¹	9.2		9.7	07/07/2023	mg/dL	8.7-10.2

labcorp

Date Created and Stored 01/08/25 0310 ET Final Report Page 1 of 10

Patient ID:

Specimen ID: 358-535-0193-0

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

Comp. Metabolic Panel (14) (Cont.)

Protein, Total ⁰¹	6.5		6.8	07/07/2023	g/dL	6.0-8.5
Albumin 01	4.4		4.5*	07/07/2023	g/dL	3.9-4.9
Globulin, Total	2.1		2.3	07/07/2023	g/dL	1.5-4.5
Bilirubin, Total 01	0.6		0.3	07/07/2023	mg/dL	0.0-1.2
Alkaline Phosphatase 01	99		94	07/07/2023	IU/L	44-121
▲ AST (SGOT) 01	47	High	20	07/07/2023	IU/L	0-40
ALT (SGPT) 01	21		16	07/07/2023	IU/L	0-32

^{*} Previous Reference Interval: (Albumin: 3.8-4.8 g/dL)

OmegaCheck(TM) (EPA+DPA+DHA)

	Test	Current Resu	ılt and Flag	Previous Re	sult and Date	Units	Reference Interval
•	OmegaCheck(TM) ⁰²	associated with Based on the to percentile) qua following risk A cut-off of >= relative risk, moderate relatipopulation at h The totality of when consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and since the consumption of EPA and since the consumption of EPA and DHA, bleeding time by gram of EPA and the consumption of EPA and the	od levels of long a lower risk on a lower risk op (75th percentiles of the categories were 5.5% by wt def 3.8-5.4% by whater isk, and anigh relative of the scientification of fish oils there is no speyond the normal DHA lowers the chin 2 to 3 weether is the second	of sudden car ntile) and bot CHL reference re established fines a popula defines a po s=3.7% by wt d risk of sudden de evidence de sis limited t significant ri mal range. A d ne circulating	population, the for OmegaCheck: tion at low pulation at	s	>5.4
	Arachidonic Acid/EPA Ratio 02	37.7). 1113-1110 <i>)</i> .	21.2	07/07/2023		3.7-40.7
_	Omega-6/Omega-3 Ratio 02	16.5	High	10.1	07/07/2023		3.7-14.4
_	Omega-3 total 02	2.4		3.6	07/07/2023	% by wt	
	EPA ⁰²	0.3		0.5	07/07/2023	% by wt	0.2-2.3
	DPA 02	0.8		1.1	07/07/2023	% by wt	0.8-1.8
V	DHA 02	1.3	Low	2.0	07/07/2023	% by wt	1.4-5.1
	Omega-6 total ⁰²				07/07/2023 ega-6 fatty acid forms reported.		
	Arachidonic Acid 02	12.1		9.6	07/07/2023	% by wt	8.6-15.6
	Linoleic Acid ⁰²	% by wt ed	18.6-29.5				

Patient ID:

Specimen ID: 358-535-0193-0

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

OmegaCheck(TM) (EPA+DPA+DHA) (Cont.)

PDF⁰² . 07/07/2023

Lipid Panel w/ Chol/HDL Ratio

Test	Current Result and Flag	Previous Re	Previous Result and Date		Reference Interval
Cholesterol, Total ⁰¹	133	142	07/07/2023	mg/dL	100-199
Triglycerides 01	51	76	07/07/2023	mg/dL	0-149
HDL Cholesterol 01	70	57	07/07/2023	mg/dL	>39
VLDL Cholesterol Cal	12	15	07/07/2023	mg/dL	5-40
LDL Chol Calc (NIH)	51	70	07/07/2023	mg/dL	0-99
T. Chol/HDL Ratio	1.9	2.5	07/07/2023	ratio	0.0-4.4

Please Note: 01

T. Chol/HDL Ratio

Men Women
1/2 Avg.Risk 3.4 3.3
Avg.Risk 5.0 4.4
2X Avg.Risk 9.6 7.1
3X Avg.Risk 23.4 11.0

APOE Alzheimer's Risk

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval		
Methodology: ⁰³	Patient DNA is assayed for the APOE genotype by PCR amplification of a specific region in exon 4 of the APOE gene followed by digestion with restriction enzyme Hha I and separation of fragments by polyacrylamide gel electrophoresis. This approach allows the APOE E2, E3, and E4 alleles to be distinguished. Analytical sensitivity and specificity are >99.5%. Individuals are interpreted as having one of the following genotypes: E2/E2, E3/E3, E4/E4,					
APO E Genotyping Result: 03	E2/E3, E2/E4, E3/E4.	genotypes: E2/E2, E3/E3, E4/E4	,			
Interpretation: 03	Negative for the APOE4 varia					

Negative for the APOE4 variant that is associated with increased risk for late onset Alzheimer's disease (AD). APOE2 may have some protective effect against the development of AD.

RECOMMENDATIONS

Genetic counseling is recommended.

Due to the lack of measures to prevent the development of AD, the ACMG/NSGC guidelines do not recommend presymptomatic testing, but if it is performed, guidelines are provided (Goldman JS et al. 2011). The APOE Genotyping: Alzheimer's Risk test is not recommended for children.

NOTE: This is not a diagnostic test. Results should be interpreted along with clinical findings and other data. This test evaluates only for the APOE genotype and cannot detect genetic abnormalities elsewhere in the genome. It should be realized that there are possible sources of error including sample misidentification, rare technical errors,

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

APOE Alzheimer's Risk (Cont.)

trace contamination of PCR reactions, and rare genetic variants that may interfere with analysis.

For inquiries or genetic consultation, please call Esoterix at 1-800-444-9111.

Comment: 03

INFORMATION ABOUT THE APOE GENOTYPE AND ALZHEIMER'S DISEASE

Alzheimer's disease (AD) is the most common form of dementia in the elderly and currently affects more than 5 million Americans. It is a progressive neurodegenerative disorder with brain findings of plaques and neurofibrillary tangles containing beta-amyloid and tau protein respectively.

The predominant form of AD is late onset (age > 60-65), which can be familial (15-20%) or sporadic. The APOE4 variant increases the risk for late onset AD and may contribute to the pathology of the disease. This risk is increased by approximately 2 to 3-fold for individuals with one copy of the APOE4 variant and by approximately 10 to15-fold for individuals with two copies of this variant (E4/E4 genotype). The APOE2 variant has some protective effect against development of late onset AD. The lifetime risk for late onset AD is approximately 10-12% in the general population, though it is higher in women than men and doubles when there is a first degree relative with this disorder. The lifetime risk is approximately 9% for individuals negative for APOE4, and for individuals with E4/E4 may be as high as 25% for males and 45% for females. Among patients with late onset AD, the presence of APOE4 may lead to earlier development of symptoms.

However, APOE4 is neither necessary nor sufficient for the development of AD. Approximately 30-50% of patients with late onset AD do not have an APOE4 allele.

APOE4 is common, with 25% of the general population having one copy and 1% having two copies of this variant. Among patients with late onset AD, 50-70% are positive for APOE4.

The development of late onset AD is influenced by many factors other than APOE4 including age, gender, family history, level of education and history of head trauma. Midlife cardiovascular risk factors in individuals with APOE4 also increase risk for cognitive decline. A number of genetic influences in addition to APOE4 have also been reported and are under investigation.

This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary.

REFERENCES

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

APOE Alzheimer's Risk (Cont.)

Altmann A et al. Sex modifies the APOE-related risk of developing Alzheimer disease. Annal Neurol 2014;75(4):563-573

Bird TD. Alzheimer Disease Overview. GeneReviews (internet). Pagon RA et al., editors. Seattle WA: University of Washington, Seattle, WA. Last revised 2014.

Goldman JS et al. Genetic counseling and testing for Alzheimer disease: Joint practice guidelines of the American College of Medical Genetics and the National Society of Genetic Counselors. Genet in Med 2011;13(6)597-605.

Schipper HM. Apolipoprotein E: Implications for AD neurobiology, epidemiology and risk assessment. Neurobiology of Aging 2011;32:778-790

Vitamin E

	Test	Current Result	and Flag	Previous Result and Date	Units	Reference Interval
	Vitamin E(Alpha Tocopherol) A, 04	10.3			mg/L	7.0-25.1
	Vitamin E(Gamma					
•	Tocopherol) A, 04	0.4	Low		mg/L	0.5-5.5
		National Health	and Nutritio n alpha-tocop	a and gamma-tocopherol determ n Examination Survey, 2005-20 herol levels less than 5.0 mg nt.	006.	

Hgb A1c with eAG Estimation

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval		
Hemoglobin A1c 01	4.9	4.9	07/07/2023	%	4.8-5.6		
Please Note: 01							
	Prediabetes: 5.7 - 6.4 Diabetes: >6.4						
	Glycemic control fo	r adults with	diabetes: .0</td <td></td> <td></td>				
Estim, Avg Glu (eAG)	94			mg/dI			

Pregnenolone, MS

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Pregnenolone, MS 05	44		ng/dL	
	•	its performance characteristics s not been cleared or approved tration.		

MTHFR

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
MTHFR, DNA Analysis ⁰⁶				
	Result:			

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

MTHFR (Cont.)

c.665C>T (p. Ala222Val), legacy name: C677T - Detected, homozygous c.1286A>C (p. Glu429Ala), legacy name: A1298C - Not Detected Interpretation:

This result may increase the risk for hyperhomocysteinemia. See Additional Clinical Information and Comments.

Please Note: 06

Additional Clinical Information:

Hyperhomocysteinemia is multifactorial involving genetic, clinical, and environmental risk factors. Reduced enzyme activity of methylenetetrahydrofolate reductase (MTHFR) is a genetic risk factor for hyperhomocysteinemia, particularly when serum folate levels are low. There are two common variants in the MTHFR gene that can decrease enzyme activity; c.665C>T (p. Ala222Val), legacy name C677T, and c.1286A>C (p. Glu429Ala), legacy name A1298C. These variants do not independently increase risk of conditions related to hyperhomocysteinemia in the absence of elevated homocysteine levels. Measurement of total plasma homocysteine is recommended. Patients should share their MTHFR genotype with physicians who are making decisions regarding chemotherapy treatments that depend on folate, such as methotrexate.

Guidelines do not recommend genotyping of these two MTHFR variants in the evaluation of venous thrombosis or obstetric risk due to limited evidence of clinical utility (PMID: 23288205).

Genetic Coordinators are available for health care providers to discuss results at 1-800-345-GENE (4363). Test Details:

Variants Analyzed: c.665C>T (p. Ala222Val), legacy name: C677T and c.1286A>C (p. Glu429Ala), legacy name: A1298C Methods/Limitations:

DNA analysis of the MTHFR gene was performed by PCR amplification followed by restriction enzyme analysis. The diagnostic sensitivity is >99%. Results must be combined with clinical information for the most accurate interpretation. Molecular-based testing is highly accurate, but as in any laboratory test, diagnostic errors may occur. False positive or false negative results may occur for reasons that include genetic variants, blood transfusions, bone marrow transplantation, somatic or tissue-specific mosaicism, mislabeled samples, or erroneous representation of family relationships.

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

References:

Hickey SE, Curry CJ, Toriello HV. ACMG Practice Guideline: lack of evidence for MTHFR polymorphism testing. Genet Med. 2013 Feb;15(2):153-6. doi: 10.1038/gim.2012.165. Epub 2013 Jan 3. PMID: 23288205.

American College of Obstetricians and Gynecologists' Committee on Practice Bulletins-Obstetrics. ACOG Practice Bulletin No. 197: Inherited Thrombophilias in Pregnancy. Obstet Gynecol. 2018 Jul;132(1):e18-e34. doi: 10.1097/AOG.000000000002703. Erratum in: Obstet Gynecol. 2018 Oct;132(4):1069. PMID: 29939939.

Reviewed by: 06

Yanjun Jiang, PhD FACMG

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

Thyroxine	(T4) Free,	, Direct
-----------	------------	----------

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
T4,Free(Direct) 01	1.12		ng/dL	0.82-1.77

Folate (Folic Acid), Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Folate (Folic Acid), Serum 01	3.2		ng/mL	>3.0
Note: 01				

A serum folate concentration of less than 3.1 $\mbox{ng/mL}$ is considered to represent clinical deficiency.

DHEA-Sulfate

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
DHEA-Sulfate 01	117.0		ug/dL	41.2-243.7

Testosterone

Test	Cultelli Nesuli aliu i lag		Units	Reference Interval
Testosterone ⁰¹	21		ng/dL	4-50

TSH

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval	
TSH 01	3.310	3.090	07/07/2023	uIU/mL	0.450-4.500	

FSH

Test	Test Current Result and Flag		Units	Reference Interval
FSH 01	86.6		mIU/mL	
		Adult Female	Range	
		Follicular phase	3.5 - 12.5	
		Ovulation phase	4.7 - 21.5	
		Luteal phase	1.7 - 7.7	
		Postmenopausal	25.8 - 134.8	

Estradiol

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Estradiol 01	<5.0		pg/mL	
		Adult Female	Range	
		Follicular phase	12.5 - 166.0	
		Ovulation phase	85.8 - 498.0	
		Luteal phase	43.8 - 211.0	
		Postmenopausal	<6.0 - 54.7	
		Pregnancy		
		1st trimester	215.0 - >4300.0	
	Roche ECLIA methodology			

Total Glutathione

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Total Glutathione 07	209		ug/mL	176-323

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Command Describered Floor

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**

Dunidaya Danultand Data



Date Collected: 12/23/2024

11.....

Total Glutathione (Cont.)

Results of this test are for Investigational Purposes Only. The performance characteristics of this assay have been determined by LabCorp. The result should not be used as a diagnostic procedure without confirmation of the diagnosis by another medically established diagnostic product or procedure.

Vitamin D, 25-Hydroxy

Test	Current Result and Flag Previous Result and Date		Units	Reference Interval		
▼ Vitamin D, 25-Hydroxy 01	21.6	Low	29.6	07/07/2023	ng/mL	30.0-100.0
	Vitamin D defice Medicine and are level of serum The Endocrine Sinsufficiency at 1. IOM (Institution intakes for National Acas 2. Holick MF, Evaluation, deficiency:	n Endocrine Soc: 25-OH vitamin I Society went on as a level betw ate of Medicine calcium and D. ademies Press.	iety practice D less than 2 to further d een 21 and 29). 2010. Diet Washington D choff-Ferrari prevention o ociety clinic	he Institute of guideline as a 0 ng/mL (1,2). efine vitamin D ng/mL (2). ary reference C: The HA, et al. f vitamin D al practice		

C-Reactive Protein, Cardiac

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval	
C-Reactive Protein, Cardiac 01	0.24		mg/L	0.00-3.00	
	R	ovascular Event			
		Low	<1.00		
		Average	1.00 - 3.00		
		High	>3.00		

Homocyst(e)ine

Test	t	Current Resu	lt and Flag	Previous Result and Date	Units	Reference Interval
▲ Hoi	mocyst(e)ine 01	20.5	High		umol/L	0.0-14.5

Uric Acid

Test	Current Result and Flag	Previous Result and Date		Units	Reference Interval
Uric Acid 01	3.3	4.4	07/07/2023	mg/dL	2.6-6.2
	Th	erangutic tard	et for gout pati	ents: <6 0	

Thyroid Antibodies

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval	
Thyroid Peroxidase (TPO) Ab 01	<9		IU/mL	0-34	
Thyroglobulin Antibody 04	<1.0		IU/mL	0.0-0.9	
	Thyroglobulin Antibody measured by Beckman Coulter Methodology It should be noted that the presence of thyroglobulin antibodies may not be pathogenic nor diagnostic, especially at very low levels. The assay manufacturer has found that four percent of individuals without evidence of thyroid disease or autoimmunity will have positive TqAb levels up to 4 IU/mL.				

Patient ID:

Specimen ID: **358-535-0193-0**

DOB: **04/08/1978**

Age: **46** Sex: **Female**

Patient Report

Account Number: **11005910**Ordering Physician: **R VAWDREY**



Date Collected: 12/23/2024

	• -	•	
W	ıta	min	B12
v	ıta		UIL

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Vitamin B12 01	1223		pg/mL	232-1245

Copper, Serum or Plasma

Test	Current Resu	Current Result and Flag Previous Result and Date Units 63 Low ug/dL Detection Limit = 5	Units	Reference Interval	
▼ Copper, Serum or Plasma A, 04	63	Low		ug/dL	80-158
			Detection	Limit = 5	

Zinc, Plasma or Serum

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Zinc, Plasma or Serum A, 04			ug/dL	44-115
		Detection	Limit = 5	

Progesterone

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Progesterone 01	0.3		ng/mL	
		Follicular phase	0.1 - 0.9	
		Luteal phase	1.8 - 23.9	
		Ovulation phase	0.1 - 12.0	
		Pregnant		
		First trimester	11.0 - 44.3	
		Second trimester	25.4 - 83.3	
		Third trimester	58.7 - 214.0	
		Postmenopausal	0.0 - 0.1	

Insulin

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Insulin 01	3.5		uIU/mL	2.6-24.9

Triiodothyronine (T3), Free

Test	Current Result and Flag	Previous Res	sult and Date	Units	Reference Interval
Triiodothyronine (T3), Free ⁰¹	3.0	3.3	07/07/2023	pg/mL	2.0-4.4

Magnesium, RBC

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Magnesium, RBC A, 07	4.4		mg/dL	3.7-7.0

Cortisol - AM

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cortisol - AM ⁰¹	16.2		ug/dL	6.2-19.4

Selenium, Serum/Plasma

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Selenium, Serum/Plasma A, 04	106		ug/L	93-198

Patient ID:

Specimen ID: 358-535-0193-0

DOB: **04/08/1978**

Age: 46 Sex: Female

Patient Report

Account Number: 11005910 Ordering Physician: R VAWDREY



Disclaimer

The Previous Result is listed for the most recent test performed by Labcorp in the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

Icon Legend

Out of Reference Range Critical or Alert

Comments

A: This test was developed and its performance characteristics determined by Labcorp. It has not been cleared or approved by the Food and Drug Administration.

Performing Labs

01: SE - Labcorp Seattle, 550 17th Avenue Ste 300, Seattle, WA 98122-5789 Dir: Daniel Toweill, MD

02: CLHRT - Cleveland Heartlab Inc, 6701 Carnegie Avenue Ste 500, Cleveland, OH 44103-4623 Dir: Bill Richendollar, MD

03: UY - Esoterix Inc, 8490 Upland Drive Ste 100, Englewood, CO 80112-7116 Dir: Brian F. Poirier, MD

04: SPOWA - Labcorp Spokane, 110 W Cliff Dr. Ste 100-200, Spokane, WA 99204-3614 Dir: Shefali Goyal, MD

05: ES - Esoterix Inc, 4301 Lost Hills Road, Calabasas Hills, CA 91301-5358 Dir: Brian Poirier, MD

06: TG - Labcorp RTP, 1912 TW Alexander Drive, RTP, NC 27709-0150 Dir: Anjen Chenn, MDPhD

07: BN - Labcorp Burlington, 1447 York Court, Burlington, NC 27215-3361 Dir: Sanjai Nagendra, MD

For inquiries, the physician may contact Branch: 800-598-3345 Lab: 206-861-7000

Patient Details

Keene, Mandy 3964 N CHELMSFORD AVE, MERIDIAN, ID, 83646

Phone: 208-391-1314 Date of Birth: 04/08/1978

Age: 46 Sex: Female Patient ID:

Alternate Patient ID:

Physician Details **R VAWDREY**

A Mind For All Seasons

7655 W Riverside Dr, Boise, ID, 83714

Phone: 208-378-2860 Account Number: 11005910

Physician ID: NPI: 1376568493 Specimen Details

Specimen ID: 358-535-0193-0 Control ID: L2409097642

Alternate Control Number: **L2409097642** Date Collected: 12/23/2024 0832 Local Date Received: 12/23/2024 0000 ET Date Entered: 12/23/2024 1433 ET Date Reported: 01/08/2025 0306 ET





Report Status: Final KEENE, MANDY

Patient Information	Specimen Information	Client Information
KEENE, MANDY	Order ID: 2436000152 Requisition: 2436000152	PROVIDER LABCORP 12485 LABCORP SEATTLE
DOB: 04/08/1978 AGE: 46 Gender: Female Fasting: Fasting Phone: Patient ID: 2435853501930	Collected: 12/23/2024, 08:32 AM Received: 12/27/2024, 11:26 AM Reported: 12/29/2024, 5:57 PM	550 17TH AVENUE SUITE 300 SEATTLE, WA 98122

Cardiometabolic Report

	C	urrent	Defere	nce Range/Rela	otivo Bick Co	togorios	Hinte	orical
Test Name	Result & Relative Risk				tegories	Result & Re		
	Optimal	Non-Optimal	Optimal	Moderate	High	Units	11	//
FATTY ACIDS								
OmegaCheck® (Whole Blood: EPA+DPA+DHA) ⁽¹⁾		2.4	≥5.5	3.8-5.4	≤3.7	% by wt		
Arachidonic Acid/EPA Ratio	37.7			3.7-40.7			-	
Omega-6/Omega-3 Ratio		16.5 H		3.7-14.4				
Omega-3 total		2.4				% by wt		
EPA	0.3			0.2-2.3		% by wt		
DPA	8.0			0.8-1.8		% by wt		
DHA		1.3 L		1.4-5.1		% by wt		
Omega-6 total	;	39.6				% by wt		
Arachidonic Acid	12.1			8.6-15.6		% by wt	-	
Linoleic Acid	25.0			18.6-29.5		% by wt		

UND = UNDETECTABLE

INC = INCOMPUTABLE

Medical Information For Healthcare Providers: If you have any questions about any of the tests in our Cardiometabolic Report, please call Cleveland HeartLab Client Services at 866.358.9828, option 1 to arrange a consult with our clinical education team.

Cardiometabolic Comment Report

FATTY ACIDS

OmegaCheck® (Whole Blood: EPA+DPA+DHA)⁽¹⁾

Lab: Z4M

Increasing blood levels of long-chain n-3 fatty acids are associated with a lower risk of sudden cardiac death (1). Based on the top (75th percentile) and bottom (25th percentile) quartiles of the CHL reference population, the following relative risk categories were established for OmegaCheck: A cut-off of >=5.5% by wt defines a population at optimal relative risk, 3.8-5.4% by wt defines a population at moderate relative risk, and <=3.7% by wt defines a population at high relative risk of sudden cardiac death. The totality of the scientific evidence demonstrates that when consumption of fish oils is limited to 3 g/day or less of EPA and DHA, there is no significant risk for increased bleeding time beyond the normal range. A daily dosage of 1 gram of EPA and DHA lowers the circulating triglycerides by about 7-10% within 2 to 3 weeks. (Reference: 1-Albert et al. NEJM. 2002; 346: 1113-1118).

Omega-6 total Lab: Z4M

Cleveland HeartLab measures a number of omega-6 fatty acids with AA and LA being the two most abundant forms reported.

CLIENT SERVICES: 866.358.9828, Option 1

ORDER ID: 2436000152

Medical Director: Sami Albeiroti, PhD, D(ABCC)

Cleveland HeartLab, Inc. | 6701 Carnegie Ave. Suite 500 | Cleveland, OH 44103 | p 866-358-9828 | CLIA#36D1032987 | CAP#7190119

Quest, Quest Diagnostics, the associated logo and all associated Quest Diagnostics marks are the trademarks of Quest Diagnostics.





Report Status: Final KEENE, MANDY

Patient Information	Specimen Information	Client Information
KEENE, MANDY DOB: 04/08/1978 AGE: 46 Gender: Female Fasting: Fasting Patient ID: 2435853501930	Order ID: 2436000152 Collected: 12/23/2024, 08:32 AM Received: 12/27/2024, 11:26 AM Reported: 12/29/2024, 5:57 PM	PROVIDER LABCORP

Footnotes

(1) 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.

PERFORMING SITE:

Z4M CLEVELAND HEARTLAB INC, 6701 CARNEGIE AVENUE SUITE 500, CLEVELAND, OH 44103-4623 Medical Director: Sami Albeiroti, PhD, D(ABCC) CLIA:36D1032987