



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, PATIENT
WX0000003828 M 03/15/2022 M16

Referral Testing

Collected: 07/18/2023 14:19 Received: 07/18/2023 14:19

Test Name	Result	Flag	Ref-Ranges	Units	Site
Acylcarnitine, Plasma					
Interpretation	SEE NOTE				QCRL

THIS ACYLCARNITINE PROFILE IS NORMAL.

THIS TEST MAY MISS DISORDERS CHARACTERIZED BY MINIMAL OR INTERMITTENT METABOLITE EXCRETION, ESPECIALLY IF THE PATIENT IS ASYMPTOMATIC AT THE TIME OF SAMPLE COLLECTION. RESULTS CAN ALSO BE AFFECTED BY THE PATIENT'S CARNITINE STATUS, AND BY CERTAIN MEDICATIONS AND DIETARY THERAPIES. CLINICAL CORRELATION IS ADVISED IN THE INTERPRETATION OF ABNORMAL RESULTS.

Interpretation reviewed by: Denise Salazar, Ph.D., FACMG.

IF THE ORDERING/TREATING PHYSICIAN HAS ANY QUESTIONS REGARDING THESE RESULTS, PLEASE CONTACT THE QUEST DIAGNOSTICS BIOCHEMICAL GENETICS LABORATORY AT 1-800-642-4657 ext 4817 or ext 4423 AND ASK TO SPEAK WITH THE LABORATORY DIRECTOR ON CALL. FOR GENERAL QUESTIONS ABOUT QUEST DIAGNOSTICS GENETIC TESTING, PLEASE CALL THE GENE INFO LINE AT 1-866-GENE-INFO.

Acetylcarnitine, C2	11.93		2.6-15.5	nmol/mL	QCRL
Propionylcarnitine, C3	0.30		<0.94	nmol/mL	QCRL
Malonylcarnitine, C3DC	0.09			nmol/mL	QCRL

Reference Range:
< OR = 0.13

Butyryl-/isobutyrylcarn, C4	0.16		<1.22	nmol/mL	QCRL
Methylmalonylcarn, C4DC	<0.02			nmol/mL	QCRL

Reference Range:
< OR = 0.02

OH-Butyrylcarnitine, C4OH	0.03			nmol/mL	QCRL
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Reference Range:
< OR = 0.06

Isovaleryl-/2-methylbut, C5	0.06		<0.30	nmol/mL	QCRL
Tiglyl/methylcrotonyl, C5:1	<0.02			nmol/mL	QCRL

Reference Range:
< OR = 0.02

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F118000016
WX0000003828
Printed D&T: 07/18/23 14:19

Ordered By: KAJAL SITWALA, MD, PhD
WX000000000002355

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 1 OF 4



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Test Name	Result	Flag	Ref-Ranges	Units	Site
Glutaryl carnitine, C5DC	0.05			nmol/mL	QCRL
Reference Range: < OR = 0.06					
OH-Isovaleryl carnitine, C5OH	0.02			nmol/mL	QCRL
Reference Range: < OR = 0.04					
Hexanoyl carnitine, C6	0.08			nmol/mL	QCRL
Reference Range: < OR = 0.10					
Adipoyl carnitine, C6DC	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
OH-Hexanoyl carnitine, C6OH	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.05					
Octanoyl carnitine, C8	0.08		<0.35	nmol/mL	QCRL
Octenoyl carnitine, C8:1	0.17		<1.15	nmol/mL	QCRL
Suberyl carnitine, C8DC	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
Decanoyl carnitine, C10	0.12		<0.33	nmol/mL	QCRL
Decenoyl carnitine, C10:1	0.06		<0.64	nmol/mL	QCRL
Decadienoyl carnitine, C10:2	0.02			nmol/mL	QCRL
Reference Range: < OR = 0.03					
Dodecanoyl carnitine, C12	0.06		<0.13	nmol/mL	QCRL
Dodecenoyl carnitine, C12:1	0.08		<0.19	nmol/mL	QCRL
OH-Dodecanoyl carn, C12OH	<0.02			nmol/mL	QCRL

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F118000016 Ordered By: KAJAL SITWALA, MD, PhD
 WX0000003828 WX00000000002355
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Kajal V. Sitwala, MD, PhD - Medical Director
 Form: MM RL1
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Test Name	Result	Flag	Ref-Ranges	Units	Site
Reference Range: < OR = 0.02					
Tetradecanoylcarnitine, C14	0.03		<=0.06	nmol/mL	QCRL
Tetradecenoylcarn, C14:1	0.07			nmol/mL	QCRL
Reference Range: < OR = 0.21					
Tetradecadienoylcarn, C14:2	0.05			nmol/mL	QCRL
Reference Range: < OR = 0.09					
OH-Tetradecanoylcarn, C14OH	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
OH-Tetradecenoyl, C14:1-OH	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
Hexadecanoylcarnitine, C16	0.09		0.03-0.19	nmol/mL	QCRL
Hexadecenoylcarn, C16:1	0.03			nmol/mL	QCRL
Reference Range: < OR = 0.05					
OH-Hexadecanoylcarn, C16OH	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
OH-Hexadecenoyl, C16:1-OH	<0.02			nmol/mL	QCRL
Reference Range: < OR = 0.02					
Stearoylcarnitine, C18	0.03			nmol/mL	QCRL
Reference Range: < OR = 0.08					
Oleoylcarnitine, C18:1	0.11		<0.27	nmol/mL	QCRL

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F11800016
 WX0000003828
 Printed D&T: 07/18/23 14:19

Ordered By: KAJAL SITWALA, MD, PhD
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Kajal V. Sitwala, MD, PhD - Medical Director
 Form: MM RL1
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Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Rows include Linoleoylcarnitine, C18:2 and OH-Oleoylcarn, C18:1-OH.

Reference Range:
< OR = 0.02

Table with 6 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Row includes OH-Linoleoylcarn, C18:2-OH.

Reference Range:
< OR = 0.02

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. 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.

Test Performed at:
Quest Diagnostics Nichols Institute
33608 Ortega Highway
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

Performing Site:
QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

Reported Date: 2023.07.18 14:19 ACYLP

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