GENETIC TESTING LABORATORIES
Biochemical Genetics Laboratory

Patient Name:

Accession#: R10000
Birthdate: 3/2/2020
MRN#:
Specimen:
Collected: 11/1/2021
Reported: 01/07/2022

Targeted Long Chain Dicarboxylic Acylcarnitine Panel

RESULTS

ANALYTE	REFERENCE RANGE	RESULT	FLAG
hexadecanedioylcarnitine (C16:DC)	(0 to 0.050)	0.007	
octadecenedioylcarnitine (C18:1:DC)	(0 to 0.041)	0.004	
octadecanedioylcarnitine (C18:DC)	(0 to 0.028)	0.007	
eicosanedioylcarnitine (C20:DC)	(0 to 0.004)	0.000	
docosanedioylcarnitine (C22:DC)	(0 to 0.002)	0.000	

*values in micromoles/L

INTERPRETATION

Mock report

ASSAY INFORMATION

Method

Analysis is performed by liquid chromatography tandem mass spectrometry (LC-MS/MS) on underivatized specimens.

For more information visit: https://medicine.iu.edu/iubgl

Limitations/Disclaimer

False negative results can occur in rare situations when diet, treatment or secondary carnitine depletion causes acylcarnitine levels to appear normal in an affected individual.

This test was developed and its performance characteristics determined by Indiana University Biochemical Genetics Laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. This test is used for clinical purposes. It should not be regarded as investigational or for research. The laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) as qualified to perform high complexity clinical laboratory testing. CLIA# 15D0647198 • CAP# 1678930

ELECTRONICALLY SIGNED BY

Marcus J. Miller PhD FACMG, Director of the IU Biochemical Genetics Laboratory, 01/07/2022