

Patient Name:

Accession#: R10000
Birthdate: 12/20/2003
MRN#:
Specimen:
Collected: 11/1/2021
Reported: 01/06/2022

Targeted C4:DC/C5OH Acylcarnitine Panel

RESULTS

ANALYTE	REFERENCE RANGE	RESULT	FLAG
propionylcarnitine (C3)	(0.11 to 1.208)	0.363	
tiglylcarnitine (C5:1)	(0.001 to 0.024)	0.005	
3-methylcrotonylcarnitine (C5:1)	(0 to 0.002)	0.000	
3-hydroxyisovalerylcarnitine (C5:OH)	(0.004 to 0.101)	0.064	
methylmalonylcarnitine (C4:DC)	(0.006 to 0.048)	0.001	L
succinylcarnitine (C4:DC)	(0.007 to 0.057)	0.064	H
C3/C2 (RATIO)	(0 to 0.150)	0.062	

*values in micromoles/L

INTERPRETATION

Mock targeted 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, 01/06/2022