GENETIC TESTING LABORATORIES
Biochemical Genetics Laboratory

Patient Name: John Doe

Accession#: R10000
Birthdate: 12/25/1996
MRN#:
Specimen: plasma
Collected: 11/1/2021
Reported: 01/06/2022

Carnitine Metabolism Panel

RESULTS

ANALYTE	REFERENCE RANGE	RESULT	FLAG
carnitine (C0)	(12.7 to 69.1)	34.874	
deoxycarnitine (DXY)	(0.126 to 2.155)	0.645	
trimethylamine-N-oxide (TMAO)	(0.060 to 13.034)	0.166	
trimethyllysine (TML)	(0.173 to 1.118)	0.452	
TML/DXY (RATIO)	(0 to 3.3)	0.701	

*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, 01/06/2022