

Patient ID SA00167367	Patient Name TESTING, AGU20_ABNORMAL	Birth Date 2002-02-02	Sex M	Age 22
Order Number SA00167367	Client Order Number SA00167367	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 26 Mar 2024 00:00		

Acylglycines, QN, U

Interpretation

In this sample, the acylglycine profile was suggestive of a possible biochemical diagnosis of 3-methylcrotonyl-CoA carboxylase deficiency. For further confirmation, consider molecular genetic analysis of the MCCC1 or MCCC2 genes (MCL test CGPH, gene list ID: IEMCP-4NK969).

ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC-MS) Stable Isotope Dilution Analysis

n-Acetylglycine

3.50 mg/g Cr

MCR

Reference Value
≤3.50

n-Propionylglycine

2.25 mg/g Cr

MCR

Reference Value
≤2.25

Isobutyrylglycine

3.00 mg/g Cr

MCR

Reference Value
≤3.00

Ethylmalonic acid

25.00 mg/g Cr

MCR

Reference Value
≤25.00

n-Butyrylglycine

2.50 mg/g Cr

MCR

Reference Value
≤2.50

2-Methylsuccinic acid

9.00 mg/g Cr

MCR

Reference Value
≤9.00

2-Methylbutyrylglycine

2.00 mg/g Cr

MCR

Reference Value
≤2.00

Isovalerylglycine

8.00 mg/g Cr

MCR

Reference Value
≤8.00

Glutaric acid

8.00 mg/g Cr

MCR

Reference Value
≤8.00

3-Methylcrotonylglycine

 6.37 mg/g Cr

MCR

Reference Value
≤2.25

n-Tiglylglycine

9.00 mg/g Cr

MCR

Reference Value
≤9.00

3-Methylglutaconic acid

25.00 mg/g Cr

MCR

Reference Value
≤25.00

n-Hexanoylglycine

2.00 mg/g Cr

MCR

Reference Value
≤2.00

n-Octanoylglycine

2.00 mg/g Cr

MCR

Reference Value
≤2.00

3-Phenylpropionylglycine

2.00 mg/g Cr

MCR

Reference Value
≤2.00

trans-Cinnamoylglycine

5.50 mg/g Cr

MCR

Reference Value
≤5.50

Suberylglycine

5.00 mg/g Cr

MCR

Reference Value
≤5.00

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292



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Dodecanedioic acid 0.50 mg/g Cr	MCR Reference Value ≤0.50	Hexadecanedioic acid 0.50 mg/g Cr	MCR Reference Value ≤0.50
Tetradecanedioic acid 0.50 mg/g Cr	MCR Reference Value ≤0.50	Reviewed By Amy Breitlow	MCR
		Received: 26 Mar 2024 12:55	Reported: 26 Mar 2024 13:31

Laboratory Notes

1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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