

Patient ID SA00152698	Patient Name TESTINGRNA, SAMPLEREPORT	Birth Date 1982-06-29	Sex F	Age 39
Order Number SA00152698	Client Order Number SA00152698	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 22 May 2022 07:00		

Mitochondrial Metabolites, P

Interpretation

In this sample, 2-methylcitric acid (2MCA) is mildly elevated. Patients with inborn errors of propionic acidemia usually present with significantly higher concentrations of 2MCA. Please contact the Biochemical Genetics consultant or genetic counselor on call (1-800-533-1710) if you have any questions.

ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC/MS)

Lactic acid

4000.0 nmol/mL

MCR

Reference Value
≤4000.0

2-Hydroxybutyric acid

124.0 nmol/mL

MCR

Reference Value
≤124.0

3-Hydroxybutyric acid

700.0 nmol/mL

MCR

Reference Value
≤700.0

Pyruvic acid

350.0 nmol/mL

MCR

Reference Value
≤350.0

cis-Aconitic acid

9.0 nmol/mL

MCR

Reference Value
≤9.0

Citric acid

250.0 nmol/mL

MCR

Reference Value
≤250.0

3-Hydroxypropionic acid

12.4 nmol/mL

MCR

Reference Value
≤12.4

3-Hydroxy-2-methylbutyric acid

2.5 nmol/mL

MCR

Reference Value
≤2.5

3-Hydroxyisovaleric acid

15.4 nmol/mL

MCR

Reference Value
≤15.4

Succinic acid

10.0 nmol/mL

MCR

Reference Value
≤10.0

Fumaric acid

5.0 nmol/mL

MCR

Reference Value
≤5.0

3-Methylglutaconic acid

1.6 nmol/mL

MCR

Reference Value
≤1.6

Malic acid

20.0 nmol/mL

MCR

Reference Value
≤20.0

2-Ketobutyric acid

16.0 nmol/mL

MCR

Reference Value
≤16.0

2-Ketoisovaleric acid

35.0 nmol/mL

MCR

Reference Value
≤35.0

Acetoacetic acid

350.0 nmol/mL

MCR

Reference Value
≤350.0

3-Methyl-2-ketovaleric acid

70.0 nmol/mL

MCR

Reference Value
≤70.0

2-Ketoisocaproic acid

70.0 nmol/mL

MCR

Reference Value
≤70.0

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



Patient ID SA00152698	Patient Name TESTINGRNA, SAMPLEREPORT	Birth Date 1982-06-29	Sex F	Age 39
Order Number SA00152698	Client Order Number SA00152698	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 22 May 2022 07:00		

2-Methylcitric acid	MCR	Reviewed by	MCR
 3.9 nmol/mL	Reference Value ≤1.0	Amy Breitlow	
 High		Received: 23 May 2022 07:51	Reported: 23 May 2022 08:44
2-Ketoglutaric acid	MCR		
40.0 nmol/mL	Reference Value ≤40.0		

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.

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