

Patient ID SA00720120	Patient Name SAMPLEREPORT, FAPM ABN	Birth Date 2020-06-16	Gender F	Age 2 M
Order Number SA00720120	Client Order Number SA00720120	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 25 Aug 2020 12:00		

Fatty Acid Profile, Mitochondrial, S

Octanoic Acid, C8:0



5 nmol/mL

MCR

Reference Value
7-63

Decenoic Acid, C10:1

2.5 nmol/mL

MCR

Reference Value
0.8-4.8

Decanoic Acid, C10:0

18 nmol/mL

MCR

Reference Value
2-62

Lauroleic Acid, C12:1

4.3 nmol/mL

MCR

Reference Value
0.6-4.8

Lauric Acid, C12:0

45 nmol/mL

MCR

Reference Value
6-190

Tetradecadienoic Acid, C14:2

2.1 nmol/mL

MCR

Reference Value
0.3-6.5

Myristoleic Acid, C14:1



92 nmol/mL

MCR

Reference Value
1-46

Myristic Acid, C14:0



380 nmol/mL

MCR

Reference Value
30-320

Hexadecadienoic Acid, C16:2

21 nmol/mL

MCR

Reference Value
4-27

Palmitoleic Acid, C16:1w7

619 nmol/mL

MCR

Reference Value
20-1020

Palmitic Acid, C16:0

2988 nmol/mL

MCR

Reference Value
720-3120

Linoleic Acid, C18:2w6

3098 nmol/mL

MCR

Reference Value
1000-3300

Oleic Acid, C18:1w9

2420 nmol/mL

MCR

Reference Value
250-3500

Stearic Acid, C18:0

933 nmol/mL

MCR

Reference Value
270-1140

Interpretation

1 MCR

In this sample, C14 species were elevated. In the absence of clinical information, this profile may indicate a possible diagnosis of very long chain acyl-CoA dehydrogenase (VLCAD) deficiency. Consider plasma acylcarnitines. We need clinical information to provide further interpretation.

ADDITIONAL INFORMATION

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

Received: 26 Aug 2020 13:18

Reported: 01 Sep 2020 15:40

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