

Patient ID SA00089412	Patient Name TESTINGRNV, SAMPLEREPORT	Birth Date 1982-06-29	Gender F	Age 34
Order Number SA00089412	Client Order Number SA00089412	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 20 Apr 2017 12:00		

Acylcarnitines, Quantitative, S

Acetylcarnitine, C2	MCR Reference Value 2.00–17.83	3-OH-isovalerylcarnitine, C5-OH	MCR Reference Value < 0.10
7.77 nmol/mL		0.02 nmol/mL	
Acrylylcarnitine, C3:1	MCR Reference Value < 0.07	Benzoylcarnitine	MCR Reference Value < 0.10
<0.02 nmol/mL		0.01 nmol/mL	
Propionylcarnitine, C3	MCR Reference Value < 0.88	Heptanoylcarnitine, C7	MCR Reference Value < 0.06
0.25 nmol/mL		0.01 nmol/mL	
Formiminoglutamate, FIGLU	MCR Reference Value < 0.14	3-OH-hexanoylcarnitine, C6-OH	MCR Reference Value < 0.09
0.01 nmol/mL		0.01 nmol/mL	
Iso-/Butyrylcarnitine, C4	MCR Reference Value < 0.83	Phenylacetylcarnitine	MCR Reference Value < 0.29
0.12 nmol/mL		0.02 nmol/mL	
Tiglylcarnitine, C5:1	MCR Reference Value < 0.11	Salicylcarnitine	MCR Reference Value < 0.09
0.02 nmol/mL		<0.05 nmol/mL	
Isovaleryl-/2-Methylbutyrylcarn C5	MCR Reference Value < 0.51	Octenoylcarnitine, C8:1	MCR Reference Value < 0.88
0.05 nmol/mL		0.27 nmol/mL	
3-OH-iso-/butyrylcarnitine, C4-OH	MCR Reference Value < 0.18	Octanoylcarnitine, C8	MCR Reference Value < 0.78
0.02 nmol/mL		0.24 nmol/mL	
Hexenoylcarnitine, C6:1	MCR Reference Value < 0.15	Malonylcarnitine, C3-DC	MCR Reference Value < 0.26
0.01 nmol/mL		0.07 nmol/mL	
Hexanoylcarnitine, C6	MCR Reference Value < 0.17	Decadienoylcarnitine, C10:2	MCR Reference Value < 0.26
0.06 nmol/mL		<0.05 nmol/mL	

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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Decenoylcarnitine, C10:1	MCR	Tetradecadienoylcarnitine, C14:2	MCR
0.26 nmol/mL	Reference Value < 0.47	0.06 nmol/mL	Reference Value < 0.18
Decanoylcarnitine, C10	MCR	Tetradecenoylcarnitine, C14:1	MCR
0.33 nmol/mL	Reference Value < 0.88	0.08 nmol/mL	Reference Value < 0.24
Methylmalonyl-/succinylcarn, C4-DC	MCR	Tetradecanoylcarnitine, C14	MCR
0.03 nmol/mL	Reference Value < 0.05	0.04 nmol/mL	Reference Value < 0.12
3-OH-decenoylcarnitine, C10:1-OH	MCR	Octanedioylcarnitine, C8-DC	MCR
0.02 nmol/mL	Reference Value < 0.13	0.02 nmol/mL	Reference Value < 0.19
Glutaryl carnitine, C5-DC	MCR	3-OH-tetradecenoylcarnitine C14:1OH	MCR
0.07 nmol/mL	Reference Value < 0.11	0.02 nmol/mL	Reference Value < 0.13
Dodecenoylcarnitine, C12:1	MCR	3-OH-tetradecanoylcarnitine, C14-OH	MCR
0.10 nmol/mL	Reference Value < 0.35	0.01 nmol/mL	Reference Value < 0.08
Dodecanoylcarnitine, C12	MCR	Hexadecenoylcarnitine, C16:1	MCR
0.10 nmol/mL	Reference Value < 0.26	0.03 nmol/mL	Reference Value < 0.10
3-Methylglutaryl carnitine, C6-DC	MCR	Hexadecanoylcarnitine, C16	MCR
0.07 nmol/mL	Reference Value < 0.43	0.09 nmol/mL	Reference Value < 0.23
3-OH-dodecenoylcarnitine, C12:1-OH	MCR	3-OH-hexadecenoylcarnitine, C16:1-OH	MCR
0.02 nmol/mL	Reference Value < 0.13	0.01 nmol/mL	Reference Value < 0.06
3-OH-dodecanoylcarnitine, C12-OH	MCR	3-OH-hexadecanoylcarnitine, C16-OH	MCR
0.01 nmol/mL	Reference Value < 0.08	0.01 nmol/mL	Reference Value < 0.06

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Octadecadienoylcarnitine, C18:2

0.06 nmol/mL

MCR
Reference Value
< 0.24

Octadecenoylcarnitine, C18:1

0.12 nmol/mL

MCR
Reference Value
< 0.39

Octadecanoylcarnitine, C18

0.04 nmol/mL

MCR
Reference Value
< 0.14

Dodecanedioylcarnitine, C12-DC

0.01 nmol/mL

MCR
Reference Value
< 0.04

3-OH-octadecadienoylcarn, C18:2-OH

<0.02 nmol/mL

MCR
Reference Value
< 0.06

3-OH-octadecenoylcarnitine C18:1-OH

0.01 nmol/mL

MCR
Reference Value
< 0.06

3-OH-octadecanoylcarnitine, C18-OH

0.00 nmol/mL

MCR
Reference Value
< 0.03

Comment (ACRNS)
1 MCR

In this sample, the acylcarnitine profile was normal.

ADDITIONAL INFORMATION

Flow Injection Analysis-Tandem Mass Spectrometry (FIA-MS/MS)

Received: 21 Apr 2017 13:52

Reported: 21 Apr 2017 14:49

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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