

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 10/18/2023  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Acylcarnitine Quantitative Profile, Plasma**

ARUP test code 0040033

Acylcarnitine, Plasma Interpretation

Normal

Results reviewed and interpreted by [REDACTED]

INTERPRETIVE INFORMATION: Acylcarnitine, Plasma Interpretation

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

C2, Acetyl	10.03 umol/L	(Ref Interval: 3.56-20.00)
C3, Propionyl	0.56 umol/L	(Ref Interval: <=1.10)
C4, Iso-/Butyryl	0.36 umol/L	(Ref Interval: <=0.49)
C5, Isovaleryl/2Mebutyryl	0.13 umol/L	(Ref Interval: <=0.29)
C5-DC, Glutaryl	0.06 umol/L	(Ref Interval: <=0.17)
C5-OH, 3-OH Isovaleryl	0.02 umol/L	(Ref Interval: <=0.11)
C6, Hexanoyl	0.08 umol/L	(Ref Interval: <=0.16)
C8, Octanoyl	0.08 umol/L	(Ref Interval: <=0.21)

H=High, L=Low, \*=Abnormal, C=Critical

C8:1, Octenoyl	0.23 umol/L	(Ref Interval: <=0.70)
C10, Decanoyl	0.11 umol/L	(Ref Interval: <=0.31)
C10:1, Decenoyl	0.09 umol/L	(Ref Interval: <=0.26)
C12, Dodecanoyl	0.06 umol/L	(Ref Interval: <=0.16)
C12:1, Dodecenoyl	0.03 umol/L	(Ref Interval: <=0.10)
C12-OH, 3-OH-Dodecanoyl	0.01 umol/L	(Ref Interval: <=0.02)
C14, Tetradecanoyl	0.02 umol/L	(Ref Interval: <=0.08)
C14:1, Tetradecenoyl	0.05 umol/L	(Ref Interval: <=0.15)
C14:2, Tetradecadienoyl	0.03 umol/L	(Ref Interval: <=0.08)
C14-OH, 3-OH-Tetradecanoyl	<0.01 umol/L	(Ref Interval: <=0.02)
C14:1-OH, 3-OH-Tetradecenoyl	<0.01 umol/L	(Ref Interval: <=0.04)
C16, Palmitoyl	0.08 umol/L	(Ref Interval: <=0.18)
C16:1, Palmitoleyl	0.01 umol/L	(Ref Interval: <=0.04)
C16-OH, 3-OH-Palmitoyl	<0.01 umol/L	(Ref Interval: <=0.02)
C16:1-OH, 3-OH-Palmitoleyl	<0.01 umol/L	(Ref Interval: <=0.02)
C18, Stearoyl	0.02 umol/L	(Ref Interval: <=0.07)

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Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 24-104-400122  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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C18:1, Oleyl	0.08 umol/L	(Ref Interval: <=0.20)
C18:2, Linoleyl	0.04 umol/L	(Ref Interval: <=0.13)
C18-OH, 3-OH-Stearoyl	<0.01 umol/L	(Ref Interval: <=0.02)
C18:1-OH, 3-OH-Oleyl	<0.01 umol/L	(Ref Interval: <=0.02)
C18:2-OH, 3-OH-Linoleyl	<0.01 umol/L	(Ref Interval: <=0.02)

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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Acylcarnitine, Plasma Interpretation	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C2, Acetyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C3, Propionyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C4, Iso-/Butyryl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5, Isovaleryl/2Mebutyryl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5-DC, Glutaryl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C5-OH, 3-OH Isovaleryl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C6, Hexanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C8, Octanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C8:1, Octenoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C10, Decanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C10:1, Decenoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12, Dodecanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12:1, Dodecenoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C12-OH, 3-OH-Dodecanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14, Tetradecanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:1, Tetradecenoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:2, Tetradecadienoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14-OH, 3-OH-Tetradecanoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C14:1-OH, 3-OH-Tetradecenoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16, Palmitoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16:1, Palmitoleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16-OH, 3-OH-Palmitoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C16:1-OH, 3-OH-Palmitoleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18, Stearoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:1, Oleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:2, Linoleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18-OH, 3-OH-Stearoyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:1-OH, 3-OH-Oleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
C18:2-OH, 3-OH-Linoleyl	24-104-400122	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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