

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 12/21/1982
Sex: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Carnitine Panel

ARUP test code 0081110

Carnitine, Free, Serum/Plasma	35 umol/L	(Ref Interval: 25-60)
Carnitine, Total, Serum/Plasma	46 umol/L	(Ref Interval: 34-86)
Carnitine, Esterified, Serum/Plasma	11 umol/L	(Ref Interval: 5-29)
Carnitine E/F Ratio, Serum/Plasma	0.3 ratio	(Ref Interval: 0.1-1.0)
Acylcarnitine, Plasma Interpretation	<p>Normal</p> <p>INTERPRETIVE INFORMATION: Acylcarnitine, Plasma Interpretation</p> <p>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.</p> <p>As of 04/12/2021, the method for the analysis of acylcarnitines in plasma has been updated. This update resulted in changes in values for several acylcarnitine species. Reference ranges have been updated as well to account for the differences due to the change in method. Values obtained before 04/12/2021 cannot be compared directly to values obtained after the change. Please refer to the reference ranges included in the report. If you have any questions or concerns related to this change, please contact Dr. M. Pasquali at ARUP Laboratories, (800) 242-5787 ext. 2853.</p>	
C2, Acetyl	5.46 umol/L	(Ref Interval: 2.93-15.06)
C3, Propionyl	0.35 umol/L	(Ref Interval: <=0.82)
C4, Iso-/Butyryl	0.28 umol/L	(Ref Interval: <=0.42)
C5, Isovaleryl/2Mebutyryl	0.09 umol/L	(Ref Interval: <=0.24)
C5-DC, Glutaryl	0.13 umol/L	(Ref Interval: <=0.23)
C5-OH, 3-OH Isovaleryl	<0.01 umol/L	(Ref Interval: <=0.07)
C6, Hexanoyl	0.05 umol/L	(Ref Interval: <=0.12)

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

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: 22-108-142818
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 1 of 3 | Printed: 7/20/2022 8:19:09 AM

C8, Octanoyl	0.07 umol/L	(Ref Interval: <=0.22)
C8:1, Octenoyl	0.17 umol/L	(Ref Interval: <=0.60)
C10, Decanoyl	0.13 umol/L	(Ref Interval: <=0.33)
C10:1, Decenoyl	0.09 umol/L	(Ref Interval: <=0.27)
C12, Dodecanoyl	0.03 umol/L	(Ref Interval: <=0.13)
C12:1, Dodecenoyl	0.03 umol/L	(Ref Interval: <=0.13)
C12-OH, 3-OH-Dodecanoyl	0.01 umol/L	(Ref Interval: <=0.02)
C14, Tetradecanoyl	0.01 umol/L	(Ref Interval: <=0.06)
C14:1, Tetradecenoyl	0.04 umol/L	(Ref Interval: <=0.15)
C14:2, Tetradecadienoyl	0.02 umol/L	(Ref Interval: <=0.08)
C14-OH, 3-OH-Tetradecanoyl	<0.01 umol/L	(Ref Interval: <=0.01)
C14:1-OH, 3-OH-Tetradecenoyl	0.01 umol/L	(Ref Interval: <=0.04)
C16, Palmitoyl	0.05 umol/L	(Ref Interval: <=0.12)
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	0.03 umol/L	(Ref Interval: <=0.06)
C18:1, Oleyl	0.11 umol/L	(Ref Interval: <=0.18)
C18:2, Linoleyl	0.05 umol/L	(Ref Interval: <=0.10)
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)

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Carnitine, Free, Serum/Plasma	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
Carnitine, Total, Serum/Plasma	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
Carnitine, Esterified, Serum/Plasma	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
Carnitine E/F Ratio, Serum/Plasma	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
Acylcarnitine, Plasma Interpretation	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM

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

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: 22-108-142818
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 3 | Printed: 7/20/2022 8:19:09 AM

C2, Acetyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C3, Propionyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C4, Iso-/Butyryl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C5, Isovaleryl/2Mebutyryl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C5-DC, Glutaryl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C5-OH, 3-OH Isovaleryl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C6, Hexanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C8, Octanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C8:1, Octenoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C10, Decanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C10:1, Decenoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C12, Dodecanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C12:1, Dodecenoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C12-OH, 3-OH-Dodecanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C14, Tetradecanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C14:1, Tetradecenoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C14:2, Tetradecadienoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C14-OH, 3-OH-Tetradecanoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C14:1-OH, 3-OH-Tetradecenoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C16, Palmitoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C16:1, Palmitoleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C16-OH, 3-OH-Palmitoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C16:1-OH, 3-OH-Palmitoleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18, Stearoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18:1, Oleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18:2, Linoleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18-OH, 3-OH-Stearoyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18:1-OH, 3-OH-Oleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM
C18:2-OH, 3-OH-Linoleyl	22-108-142818	4/18/2022 4:48:00 PM	4/21/2022 5:44:34 AM	4/22/2022 1:03:00 PM

END OF CHART

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

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: 22-108-142818
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 3 of 3 | Printed: 7/20/2022 8:19:09 AM