

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 1/16/2020
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Very Long-Chain and Branched-Chain Fatty Acids Profile

ARUP test code 2004250

Fatty Acids Profile Interpretation

See Note

ABNORMAL. In this sample the concentration of C26:0 was elevated, with elevated ratios C26/C22 and C24/C22. These findings are most consistent with a disorder of peroxisomal biogenesis/function. Would repeat this study, evaluate plasmalogens in red blood cells, and consider fibroblasts studies, including complementation studies, and/or DNA analysis to identify the specific defect. Urgent genetic evaluation is recommended.

INTERPRETIVE INFORMATION: Very Long/Branched-Chain Fatty Acids

The reference interval reported is age-specific. A complete set of age-based reference intervals for this test is available at aruplab.com.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Pristanic Acid	<0.10 umol/L	(Ref Interval: 0.00-0.31)
Phytanic Acid	0.29 umol/L	(Ref Interval: 0.03-2.13)
Ratio Pristanic to Phytanic	N/A	(Ref Interval: 0.00-0.91)
C22:0 Behenic Acid	34.03 umol/L	(Ref Interval: 28.94-93.50)
C24:0 Tetracosanoic Acid	47.54 umol/L	(Ref Interval: 24.25-77.75)
C26:0 Hexacosanoic Acid	1.21 umol/L H	(Ref Interval: 0.17-0.73)
Ratio C24:0 to C22:0	1.40 H	(Ref Interval: 0.64-1.02)

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
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 20-025-400101
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Ratio C26:0 to C22:0 **0.036** **H** (Ref Interval: 0.003-0.015)

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Fatty Acids Profile Interpretation	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
Pristanic Acid	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
Phytanic Acid	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
Ratio Pristanic to Phytanic	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
C22:0 Behenic Acid	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
C24:0 Tetracosanoic Acid	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
C26:0 Hexacosanoic Acid	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
Ratio C24:0 to C22:0	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM
Ratio C26:0 to C22:0	20-025-400101	1/24/2020 1:13:00 PM	1/26/2020 3:48:18 AM	2/5/2020 4:33:00 PM

END OF CHART

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

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