

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 10/23/2023
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

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 markedly elevated with low C22:0 and elevated ratios C26/C22 and C24/C22. Pristanic and phytanic acids were also increased. These findings are most consistent with a disorder of peroxisomal biogenesis/function. Would repeat this study, evaluate plasmalogens in red blood cells, and consider molecular testing to identify the specific defect. Urgent genetic evaluation is recommended.

Results reviewed and interpreted by [REDACTED]

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.

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.

Pristanic Acid	0.85 umol/L	H	(Ref Interval: 0.00-0.31)
Phytanic Acid	6.17 umol/L	H	(Ref Interval: 0.03-2.13)
Ratio Pristanic to Phytanic	0.14		(Ref Interval: 0.00-0.91)
C22:0 Behenic Acid	20.35 umol/L	L	(Ref Interval: 28.94-93.50)
C24:0 Tetracosanoic Acid	43.06 umol/L		(Ref Interval: 24.25-77.75)
C26:0 Hexacosanoic Acid	12.59 umol/L	H	(Ref Interval: 0.17-0.73)

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

