

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 6/25/1999
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Fatty Acids Profile, Essential Serum or Plasma

ARUP test code 2013518

Interpretation, Fatty Acids Profile SP

See Note

In this sample the concentration of omega-9 mead acid and the Triene/Tetraene ratio were markedly elevated. The concentrations of omega-3 and omega-6 fatty acids were low. This pattern is suggestive of nutritional deficiency of essential fatty acids.

Results reviewed and interpreted by [REDACTED]

INTERPRETIVE INFORMATION: Fatty Acids Profile, Essential Ser/Plas

This test does not screen for disorders of peroxisomal biogenesis/function.

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.

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

EPA, C20:5w3	9 nmol/mL		(Ref Interval: 8-130)
Hexadecenoic Acid, C16:1w9	64 nmol/mL		(Ref Interval: 14-95)
Lauric Acid, C12:0	7 nmol/mL		(Ref Interval: 1-200)
Linoleic Acid, C18:2w6	141 nmol/mL	L	(Ref Interval: 1210-4300)
α-Linolenic Acid, C18:3w3	3 nmol/mL	L	(Ref Interval: 20-200)
h-g-Linolenic C20:3w6	32 nmol/mL	L	(Ref Interval: 45-340)
g-Linolenic Acid, C18:3w6	9 nmol/mL	L	(Ref Interval: 10-120)
Mead Acid, C20:3w9	224 nmol/mL	H	(Ref Interval: 1-35)
Myristic Acid, C14:0	60 nmol/mL		(Ref Interval: 20-520)
Nervonic Acid, C24:1w9	84 nmol/mL		(Ref Interval: 35-145)
Oleic Acid, C18:1w9	1227 nmol/mL		(Ref Interval: 740-3900)
Palmitic Acid, C16:0	1234 nmol/mL		(Ref Interval: 1090-3840)
Palmitoleic Acid, C16:1w7	355 nmol/mL		(Ref Interval: 35-580)
Stearic Acid, C18:0	236 nmol/mL	L	(Ref Interval: 280-1250)
Vaccenic Acid, C18:1w7	202 nmol/mL		(Ref Interval: 50-250)
Triene Tetraene Ratio	1.589	H	(Ref Interval: 0.004-0.051)

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Total Saturated Acid	1.5 mmol/L		(Ref Interval: 1.5-5.3)
Total Monounsaturated Acid	1.9 mmol/L		(Ref Interval: 0.9-4.7)
Total Polyunsaturated Acid	0.6 mmol/L	L	(Ref Interval: 2.1-6.2)
Total w3	0.04 mmol/L	L	(Ref Interval: 0.12-0.55)
Total w6	0.3 mmol/L	L	(Ref Interval: 1.8-5.7)
Total Fatty Acids	4.1 mmol/L	L	(Ref Interval: 4.5-15.0)

EER Fatty Acids Profile, Essential SP

See Note

Authorized individuals can access the ARUP Enhanced Report using the following link:

[Redacted Link]

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Interpretation, Fatty Acids Profile SP	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arachidic Acid, C20:0	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arachidonic Acid, C20:4w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DHA, C22:6w3	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DPA, C22:5w3	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DPA, C22:5w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DTA, C22:4w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Docosenoic Acid, C22:1	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EPA, C20:5w3	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hexadecenoic Acid, C16:1w9	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Lauric Acid, C12:0	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Linoleic Acid, C18:2w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
α-Linolenic Acid, C18:3w3	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
h-g-Linolenic C20:3w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
g-Linolenic Acid, C18:3w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mead Acid, C20:3w9	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Myristic Acid, C14:0	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Nervonic Acid, C24:1w9	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oleic Acid, C18:1w9	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Palmitic Acid, C16:0	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Palmitoleic Acid, C16:1w7	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Stearic Acid, C18:0	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vaccenic Acid, C18:1w7	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Triene Tetraene Ratio	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Saturated Acid	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Monounsaturated Acid	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Polyunsaturated Acid	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total w3	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total w6	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Fatty Acids	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Fatty Acids Profile, Essential SP	24-018-117508	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

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: 24-018-117508
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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