

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 2/13/2014  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**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 mildly increased. The concentration of omega-3 docosahexaenoic acid (DHA) was mildly reduced. These findings are associated with nutritional deficiency of essential fatty acids. would repeat this study.

INTERPRETIVE INFORMATION: Fatty Acids Profile, Essential Ser/Plas

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

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

Arachidic Acid, C20:0	22 nmol/mL	(Ref Interval: 8-43)
Arachidonic Acid, C20:4w6	499 nmol/mL	(Ref Interval: 310-1420)
DHA, C22:6w3	<b>40 nmol/mL L</b>	<b>(Ref Interval: 45-365)</b>
DPA, C22:5w3	39 nmol/mL	(Ref Interval: 13-75)
DPA, C22:5w6	25 nmol/mL	(Ref Interval: 6-55)
DTA, C22:4w6	31 nmol/mL	(Ref Interval: 10-40)
Docosenoic Acid, C22:1	4 nmol/mL	(Ref Interval: 1-10)
EPA, C20:5w3	41 nmol/mL	(Ref Interval: 8-130)

**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: 20-041-122809  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 1 of 4 | Printed: 1/19/2021 12:52:22 PM  
4848

Hexadecenoic Acid, C16:1w9	69 nmol/mL		(Ref Interval: 14-95)
Lauric Acid, C12:0	61 nmol/mL		(Ref Interval: 1-200)
Linoleic Acid, C18:2w6	2058 nmol/mL		(Ref Interval: 1210-4300)
α-Linolenic Acid, C18:3w3	36 nmol/mL		(Ref Interval: 20-200)
h-g-Linolenic C20:3w6	213 nmol/mL		(Ref Interval: 45-340)
g-Linolenic Acid, C18:3w6	112 nmol/mL		(Ref Interval: 10-120)
Mead Acid, C20:3w9	<b>54 nmol/mL</b>	<b>H</b>	(Ref Interval: 1-35)
Myristic Acid, C14:0	280 nmol/mL		(Ref Interval: 20-520)
Nervonic Acid, C24:1w9	101 nmol/mL		(Ref Interval: 35-145)
Oleic Acid, C18:1w9	2737 nmol/mL		(Ref Interval: 740-3900)
Palmitic Acid, C16:0	2912 nmol/mL		(Ref Interval: 1090-3840)
Palmitoleic Acid, C16:1w7	440 nmol/mL		(Ref Interval: 35-580)
Stearic Acid, C18:0	869 nmol/mL		(Ref Interval: 280-1250)
Vaccenic Acid, C18:1w7	146 nmol/mL		(Ref Interval: 50-250)
Triene Tetraene Ratio	<b>0.108</b>	<b>H</b>	(Ref Interval: 0.004-0.051)

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

Unless otherwise indicated, testing performed at:

Total Saturated Acid	4.1 mmol/L	(Ref Interval: 1.5-5.3)
Total Monounsaturated Acid	3.5 mmol/L	(Ref Interval: 0.9-4.7)
Total Polyunsaturated Acid	3.1 mmol/L	(Ref Interval: 2.1-6.2)
Total w3	0.16 mmol/L	(Ref Interval: 0.12-0.55)
Total w6	2.9 mmol/L	(Ref Interval: 1.8-5.7)
Total Fatty Acids	10.8 mmol/L	(Ref Interval: 4.5-15.0)
EER Fatty Acids Profile, Essential SP	<p>See Note Access ARUP Enhanced Report using the link below: -Direct access:</p>	

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Interpretation, Fatty Acids Profile SP	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Arachidic Acid, C20:0	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Arachidonic Acid, C20:4w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
DHA, C22:6w3	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
DPA, C22:5w3	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
DPA, C22:5w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
DTA, C22:4w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Docosenoic Acid, C22:1	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
EPA, C20:5w3	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Hexadecenoic Acid, C16:1w9	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Lauric Acid, C12:0	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Linoleic Acid, C18:2w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
a-Linolenic Acid, C18:3w3	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
h-g-Linolenic C20:3w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
g-Linolenic Acid, C18:3w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Mead Acid, C20:3w9	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Myristic Acid, C14:0	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Nervonic Acid, C24:1w9	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Oleic Acid, C18:1w9	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Palmitic Acid, C16:0	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Palmitoleic Acid, C16:1w7	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Stearic Acid, C18:0	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Vaccenic Acid, C18:1w7	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Triene Tetraene Ratio	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total Saturated Acid	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total Monounsaturated Acid	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total Polyunsaturated Acid	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total w3	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total w6	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
Total Fatty Acids	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 12:07:00 PM
EER Fatty Acids Profile, Essential SP	20-041-122809	2/10/2020 12:20:00 PM	2/12/2020 5:44:37 AM	2/14/2020 1:35:00 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  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 20-041-122809  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 4 of 4 | Printed: 1/19/2021 12:52:22 PM  
4848