

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 11/1/1961
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Fatty Acids Profile, Essential in Red Blood Cells

ARUP test code 3003086

Interpretation, Fatty Acids Profile RBC

See Note

In this sample the concentrations of several fatty acids, including omega-3 eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) were elevated most likely reflecting dietary supplements and/or dietary artifacts.

INTERPRETIVE INFORMATION: Fatty Acids Profile, Essential in RBC

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, RBC	23 nmol/mL		(Ref Interval: 17-36)
Arachidonic Acid, C20:4w6, RBC	988 nmol/mL		(Ref Interval: 685-1041)
DHA, C22:6w3, RBC	378 nmol/mL	H	(Ref Interval: 110-306)
DPA, C22:5w3, RBC	167 nmol/mL	H	(Ref Interval: 88-159)
DPA, C22:5w6, RBC	19 nmol/mL	L	(Ref Interval: 23-50)
DTA, C22:4w6, RBC	137 nmol/mL		(Ref Interval: 136-259)
Docosenoic Acid, C22:1, RBC	7 nmol/mL		(Ref Interval: 3-9)
EPA, C20:5w3, RBC	74 nmol/mL	H	(Ref Interval: 12-46)

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


Hexadecenoic Acid, C16:1w9, RBC	5 nmol/mL	(Ref Interval: <=7)
Linoleic Acid, C18:2w6, RBC	618 nmol/mL	(Ref Interval: 449-762)
a-Linolenic Acid, C18:3w3, RBC	8 nmol/mL	(Ref Interval: 5-12)
h-g-Linolenic C20:3w6, RBC	84 nmol/mL	(Ref Interval: 64-140)
g-Linolenic Acid, C18:3w6, RBC	3 nmol/mL	(Ref Interval: 1-4)
Mead Acid, C20:3w9, RBC	2 nmol/mL	(Ref Interval: 1-6)
Myristic Acid, C14:0, RBC	27 nmol/mL	(Ref Interval: 13-41)
Nervonic Acid, C24:1w9, RBC	366 nmol/mL H	(Ref Interval: 181-335)
Oleic Acid, C18:1w9, RBC	763 nmol/mL	(Ref Interval: 460-789)
Palmitic Acid, C16:0, RBC	1475 nmol/mL	(Ref Interval: 1093-1637)
Palmitoleic Acid, C16:1w7, RBC	9 nmol/mL	(Ref Interval: 8-24)
Stearic Acid, C18:0, RBC	1083 nmol/mL	(Ref Interval: 786-1194)
Vaccenic Acid, C18:1w7, RBC	45 nmol/mL	(Ref Interval: 36-66)
Triene Tetraene Ratio, RBC	0.002	(Ref Interval: 0.001-0.006)
Total Saturated Acid, RBC	2.61 mmol/L	(Ref Interval: 1.94-2.84)
Total Monounsaturated Acid, RBC	1.20 mmol/L H	(Ref Interval: 0.73-1.19)

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: 21-056-119713
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Total Polyunsaturated Acid, RBC	2.48 mmol/L	(Ref Interval: 1.68-2.54)
Total w3, RBC	0.63 mmol/L H	(Ref Interval: 0.22-0.46)
Total w6, RBC	1.85 mmol/L	(Ref Interval: 1.44-2.19)
Total Fatty Acids, RBC	6.28 mmol/L	(Ref Interval: 4.43-6.53)
EER Fatty Acids Profile, Essential RBC	See Note Access ARUP Enhanced Report using the link below: 	

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 RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arachidic Acid, C20:0, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Arachidonic Acid, C20:4w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DHA, C22:6w3, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DPA, C22:5w3, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DPA, C22:5w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
DTA, C22:4w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Docosenoic Acid, C22:1, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EPA, C20:5w3, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hexadecenoic Acid, C16:1w9, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Linoleic Acid, C18:2w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
a-Linolenic Acid, C18:3w3, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
h-g-Linolenic C20:3w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
g-Linolenic Acid, C18:3w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mead Acid, C20:3w9, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Myristic Acid, C14:0, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Nervonic Acid, C24:1w9, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Oleic Acid, C18:1w9, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Palmitic Acid, C16:0, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Palmitoleic Acid, C16:1w7, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Stearic Acid, C18:0, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vaccenic Acid, C18:1w7, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Triene Tetraene Ratio, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Saturated Acid, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Monounsaturated Acid, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Polyunsaturated Acid, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total w3, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total w6, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Fatty Acids, RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Fatty Acids Profile, Essential RBC	21-056-119713	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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Unless otherwise indicated, testing performed at: