



Patient ID M0002084	Patient Name SAMPLEREP, FAPCP A	Birth Date 1971-09-28	Gender F	Age 40
Order Number M0002084	Client Order Number M0002084	Ordering Physician ,	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 26 Jun 2012 23:50		





Fatty Acid Profile, Comprehensive,S

Octanoic Acid, C8:0	MCR	Palmitoleic Acid, C16:1w7	MCR
30 nmol/mL	Reference Value 8-47	115 nmol/mL	Reference Value 110-1130
Decenoic Acid, C10:1	MCR	Palmitic Acid, C16:0	MCR
2.8 nmol/mL	Reference Value 1.8-5.0	1500 nmol/mL	Reference Value 1480-3730
Decanoic Acid, C10:0	MCR	g-Linolenic Acid, C18:3w6	MCR
 22 nmol/mL	Reference Value 2-18	100 nmol/mL	Reference Value 16-150
Lauroleic Acid, C12:1	MCR	a-Linolenic Acid, C18:3w3	MCR
5.2 nmol/mL	Reference Value 1.4-6.6	 35 nmol/mL	Reference Value 50-130
Lauric Acid, C12:0	MCR	Linoleic Acid, C18:2w6	MCR
55 nmol/mL	Reference Value 6-90	3200 nmol/mL	Reference Value 2270-3850
Tetradecadienoic Acid, C14:2	MCR	Oleic Acid, C18:1w9	MCR
3.7 nmol/mL	Reference Value 0.8-5.0	1500 nmol/mL	Reference Value 650-3500
Myristoleic Acid, C14:1	MCR	Vaccenic Acid, C18:1w7	MCR
14 nmol/mL	Reference Value 3-64	550 nmol/mL	Reference Value 280-740
Myristic Acid, C14:0	MCR	Stearic Acid, C18:0	MCR
130 nmol/mL	Reference Value 30-450	800 nmol/mL	Reference Value 590-1170
Hexadecadienoic Acid, C16:2	MCR	EPA, C20:5w3	MCR
21 nmol/mL	Reference Value 10-48	85 nmol/mL	Reference Value 14-100
Hexadecenoic Acid, C16:1w9	MCR	Arachidonic Acid, C20:4w6	MCR
71 nmol/mL	Reference Value 25-105	1200 nmol/mL	Reference Value 520-1490

Performing Site Legend

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MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905

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Mead Acid, C20:3w9	MCR	Tetracosanoic Acid, C24:0	MCR
25 nmol/mL	Reference Value 7-30	60.3 nmol/mL	Reference Value 0.0-91.4
h-g-Linolenic Acid, C20:3w6	MCR	Hexacosenoic Acid, C26:1	MCR
200 nmol/mL	Reference Value 50-250	 0.8 nmol/mL	Reference Value 0.3-0.7
Arachidic Acid, C20:0	MCR	 High	
 46 nmol/mL	Reference Value 50-90	Hexacosanoic Acid, C26:0	MCR
 Low		0.85 nmol/mL	Reference Value 0.00-1.30
DHA, C22:6w3	MCR	Pristanic Acid, C15:0(CH3)4	MCR
200 nmol/mL	Reference Value 30-250	0.15 nmol/mL	Reference Value 0.00-2.98
DPA, C22:5w6	MCR	Phytanic Acid, C16:0(CH3)4	MCR
50 nmol/mL	Reference Value 10-70	1.90 nmol/mL	Reference Value 0.00-9.88
DPA, C22:5w3	MCR	Triene Tetraene Ratio	MCR
100 nmol/mL	Reference Value 20-210	0.025	Reference Value 0.010-0.038
DTA, C22:4w6	MCR	Total Saturated	MCR
55 nmol/mL	Reference Value 10-80	2.8 mmol/L	Reference Value 2.5-5.5
Docosenoic Acid, C22:1	MCR	Total Monounsaturated	MCR
10 nmol/mL	Reference Value 4-13	2.3 mmol/L	Reference Value 1.3-5.8
Docosanoic Acid, C22:0	MCR	Total Polyunsaturated	MCR
70.5 nmol/mL	Reference Value 0.0-96.3	4.2 mmol/L	Reference Value 3.2-5.8
Nervonic Acid, C24:1w9	MCR	Total w3	MCR
80 nmol/mL	Reference Value 60-100	0.3 mmol/L	Reference Value 0.2-0.5

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Total w6

4.5 mmol/L

MCR

Reference Value
3.0–5.4

Interpretation

MCR

In this sample, the concentration of alpha-linolenic acid was reduced. This finding could be suggestive of a nutritional deficiency of essential fatty acids.

Total Fatty Acids

10.7 mmol/L

MCR

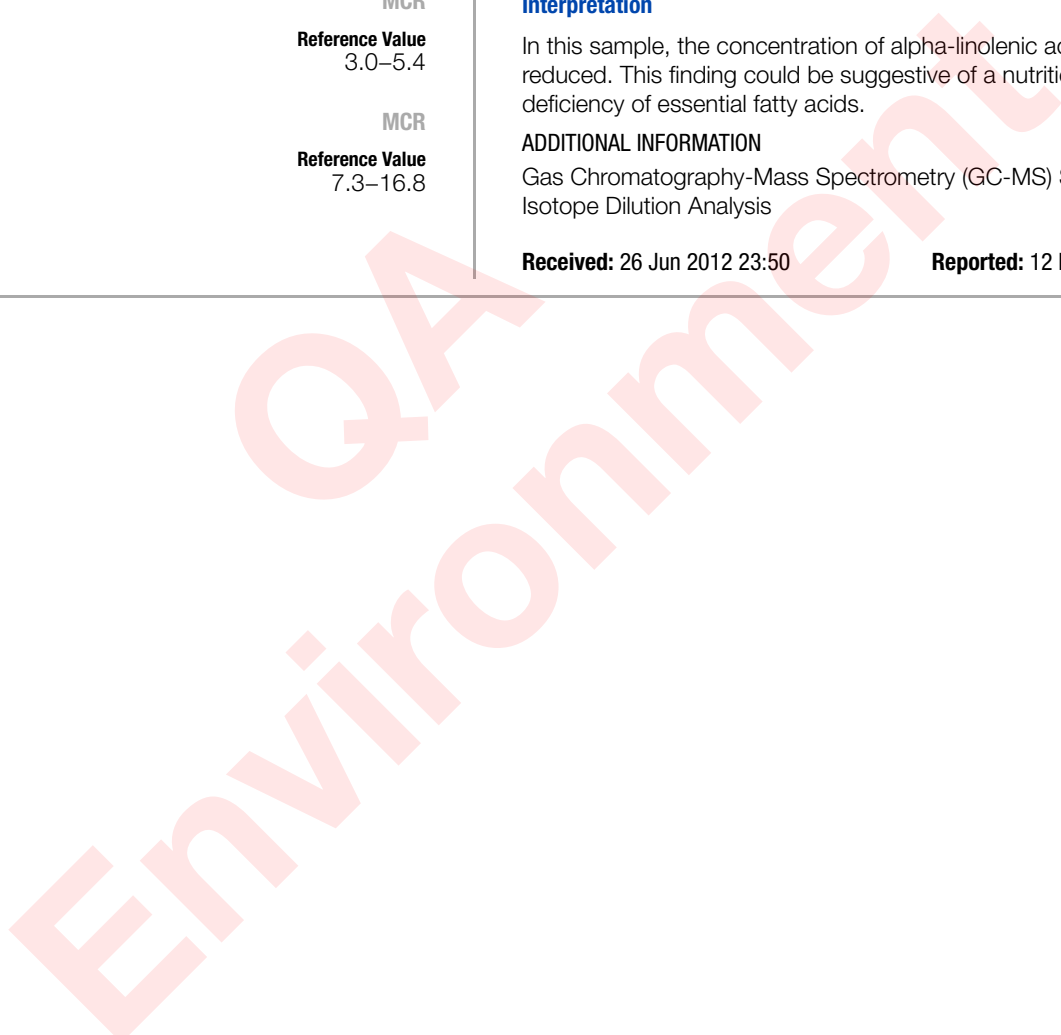
Reference Value
7.3–16.8

ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC-MS) Stable Isotope Dilution Analysis

Received: 26 Jun 2012 23:50

Reported: 12 Feb 2013 16:14



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MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905