

Patient ID SA00720115	Patient Name SAMPLEREPORT, FAPCP NML	Birth Date 2020-07-29	Gender F	Age 3 W
Order Number SA00720115	Client Order Number SA00720115	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 25 Aug 2020 12:00		

Fatty Acid Profile, Comprehensive, S

Octanoic Acid, C8:0	MCR	Palmitoleic Acid, C16:1w7	MCR
8 nmol/mL	Reference Value 7-63	922 nmol/mL	Reference Value 20-1020
Decenoic Acid, C10:1	MCR	Palmitic Acid, C16:0	MCR
1.2 nmol/mL	Reference Value 0.8-4.8	2122 nmol/mL	Reference Value 720-3120
Decanoic Acid, C10:0	MCR	g-Linolenic Acid, C18:3w6	MCR
23 nmol/mL	Reference Value 2-62	44 nmol/mL	Reference Value 6-110
Lauroleic Acid, C12:1	MCR	a-Linolenic Acid, C18:3w3	MCR
2.3 nmol/mL	Reference Value 0.6-4.8	123 nmol/mL	Reference Value 10-190
Lauric Acid, C12:0	MCR	Linoleic Acid, C18:2w6	MCR
132 nmol/mL	Reference Value 6-190	1212 nmol/mL	Reference Value 350-2660
Tetradecadienoic Acid, C14:2	MCR	Oleic Acid, C18:1w9	MCR
4.2 nmol/mL	Reference Value 0.3-6.5	521 nmol/mL	Reference Value 250-3500
Myristoleic Acid, C14:1	MCR	Vaccenic Acid, C18:1w7	MCR
21 nmol/mL	Reference Value 1-46	231 nmol/mL	Reference Value 140-720
Myristic Acid, C14:0	MCR	Stearic Acid, C18:0	MCR
213 nmol/mL	Reference Value 30-320	532 nmol/mL	Reference Value 270-1140
Hexadecadienoic Acid, C16:2	MCR	EPA, C20:5w3	MCR
22 nmol/mL	Reference Value 4-27	22 nmol/mL	Reference Value 2-60
Hexadecenoic Acid, C16:1w9	MCR	Arachidonic Acid, C20:4w6	MCR
52 nmol/mL	Reference Value 21-69	266 nmol/mL	Reference Value 110-1110

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292

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Mead Acid, C20:3w9	MCR	Tetracosanoic Acid, C24:0	MCR
52 nmol/mL	Reference Value 8-60	85.2 nmol/mL	Reference Value 0.0-91.4
h-g-Linolenic Acid, C20:3w6	MCR	Hexacosenoic Acid, C26:1	MCR
65 nmol/mL	Reference Value 30-170	1.6 nmol/mL	Reference Value 0.2-2.1
Arachidic Acid, C20:0	MCR	Hexacosanoic Acid, C26:0	MCR
56 nmol/mL	Reference Value 30-120	0.03 nmol/mL	Reference Value 0.00-1.30
DHA, C22:6w3	MCR	Pristanic Acid, C15:0(CH3)4	MCR
212 nmol/mL	Reference Value 10-220	0.40 nmol/mL	Reference Value 0.00-0.60
DPA, C22:5w6	MCR	Phytanic Acid, C16:0(CH3)4	MCR
52 nmol/mL	Reference Value 3-70	1.22 nmol/mL	Reference Value 0.00-5.28
DPA, C22:5w3	MCR	Triene Tetraene Ratio	MCR
32 nmol/mL	Reference Value 6-110	0.055	Reference Value 0.017-0.083
DTA, C22:4w6	MCR	Total Saturated	MCR
38 nmol/mL	Reference Value 2-50	3.0 mmol/L	Reference Value 1.2-4.6
Docosenoic Acid, C22:1	MCR	Total Monounsaturated	MCR
11 nmol/mL	Reference Value 2-20	2.3 mmol/L	Reference Value 0.3-4.6
Docosanoic Acid, C22:0	MCR	Total Polyunsaturated	MCR
5.3 nmol/mL	Reference Value 0.0-96.3	3.6 mmol/L	Reference Value 1.1-4.9
Nervonic Acid, C24:1w9	MCR	Total w3	MCR
54 nmol/mL	Reference Value 30-150	0.2 mmol/L	Reference Value 0.0-0.4

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Total w6
2.3 mmol/L
MCR
Reference Value
0.9–4.4

Interpretation
 MCR

In this sample, the fatty acid profile was essentially normal.

ADDITIONAL INFORMATION

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

Total Fatty Acids
5.8 mmol/L
MCR
Reference Value
3.3–14.0

Received: 26 Aug 2020 13:16

Reported: 26 Aug 2020 14:43

Laboratory Notes

- This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

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