

Patient ID SA00723180	Patient Name SAMPLEREPORT, PFAPC NML	Birth Date 2020-06-16	Gender F	Age 2 M
Order Number SA00723180	Client Order Number SA00723180	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Sep 2020 12:00		

Fatty Acid Profile, Comprehensive, P

Octanoic Acid, C8:0	MCR	Palmitoleic Acid, C16:1w7	MCR
8 nmol/mL	Reference Value 7-63	53 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	1266 nmol/mL	Reference Value 720-3120
Decanoic Acid, C10:0	MCR	g-Linolenic Acid, C18:3w6	MCR
13 nmol/mL	Reference Value 2-62	85 nmol/mL	Reference Value 6-110
Lauroleic Acid, C12:1	MCR	a-Linolenic Acid, C18:3w3	MCR
2.0 nmol/mL	Reference Value 0.6-4.8	32 nmol/mL	Reference Value 10-190
Lauric Acid, C12:0	MCR	Linoleic Acid, C18:2w6	MCR
52 nmol/mL	Reference Value 6-190	1560 nmol/mL	Reference Value 1000-3300
Tetradecadienoic Acid, C14:2	MCR	Oleic Acid, C18:1w9	MCR
2.3 nmol/mL	Reference Value 0.3-6.5	2645 nmol/mL	Reference Value 250-3500
Myristoleic Acid, C14:1	MCR	Vaccenic Acid, C18:1w7	MCR
32 nmol/mL	Reference Value 1-46	662 nmol/mL	Reference Value 140-720
Myristic Acid, C14:0	MCR	Stearic Acid, C18:0	MCR
213 nmol/mL	Reference Value 30-320	356 nmol/mL	Reference Value 270-1140
Hexadecadienoic Acid, C16:2	MCR	EPA, C20:5w3	MCR
22 nmol/mL	Reference Value 4-27	32 nmol/mL	Reference Value 2-60
Hexadecenoic Acid, C16:1w9	MCR	Arachidonic Acid, C20:4w6	MCR
22 nmol/mL	Reference Value 21-69	452 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
15 nmol/mL	Reference Value 3–24	85.4 nmol/mL	Reference Value 0.0–91.4
h-g-Linolenic Acid, C20:3w6	MCR	Hexacosenoic Acid, C26:1	MCR
45 nmol/mL	Reference Value 30–170	1.2 nmol/mL	Reference Value 0.2–2.1
Arachidic Acid, C20:0	MCR	Hexacosanoic Acid, C26:0	MCR
61 nmol/mL	Reference Value 30–120	1.10 nmol/mL	Reference Value 0.00–1.30
DHA, C22:6w3	MCR	Pristanic Acid, C15:0(CH3)4	MCR
122 nmol/mL	Reference Value 10–220	0.60 nmol/mL	Reference Value 0.00–0.60
DPA, C22:5w6	MCR	Phytanic Acid, C16:0(CH3)4	MCR
62 nmol/mL	Reference Value 3–70	2.34 nmol/mL	Reference Value 0.00–5.28
DPA, C22:5w3	MCR	Triene Tetraene Ratio	MCR
44 nmol/mL	Reference Value 6–110	0.026	Reference Value 0.013–0.050
DTA, C22:4w6	MCR	Total Saturated	MCR
23 nmol/mL	Reference Value 2–50	2.3 mmol/L	Reference Value 1.2–4.6
Docosenoic Acid, C22:1	MCR	Total Monounsaturated	MCR
12 nmol/mL	Reference Value 2–20	3.2 mmol/L	Reference Value 0.3–4.6
Docosanoic Acid, C22:0	MCR	Total Polyunsaturated	MCR
25.2 nmol/mL	Reference Value 0.0–96.3	3.9 mmol/L	Reference Value 1.1–4.9
Nervonic Acid, C24:1w9	MCR	Total w3	MCR
44 nmol/mL	Reference Value 30–150	0.2 mmol/L	Reference Value 0.0–0.4

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

Interpretation (PFAPC)
1 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
4.9 mmol/L
MCR
Reference Value
3.3–14.0

Received: 02 Sep 2020 09:42

Reported: 02 Sep 2020 09:57

Laboratory Notes

- 1** 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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