

Patient ID SA00723185	Patient Name SAMPLEREPORT, PFAPE NML	Birth Date 2020-06-16	Gender M	Age 2 M
Order Number SA00723185	Client Order Number SA00723185	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Sep 2020 12:00		

Fatty Acid Profile, Essential, P

Lauric Acid, C12:0	MCR Reference Value 6–190	Stearic Acid, C18:0	MCR Reference Value 270–1140
10 nmol/mL		623 nmol/mL	
Myristic Acid, C14:0	MCR Reference Value 30–320	EPA, C20:5w3	MCR Reference Value 2–60
116 nmol/mL		12 nmol/mL	
Hexadecenoic Acid, C16:1w7	MCR Reference Value 21–69	Arachidonic Acid, C20:4w6	MCR Reference Value 110–1110
30 nmol/mL		426 nmol/mL	
Palmitoleic Acid, C16:1w7	MCR Reference Value 20–1020	Mead Acid, C20:3w9	MCR Reference Value 3–24
923 nmol/mL		15 nmol/mL	
Palmitic Acid, C16:0	MCR Reference Value 720–3120	h-g-Linolenic, C20:3w6	MCR Reference Value 30–170
1221 nmol/mL		62 nmol/mL	
g-Linolenic Acid, C18:3w6	MCR Reference Value 6–110	Arachidic Acid, C20:0	MCR Reference Value 30–120
14 nmol/mL		63 nmol/mL	
a-Linolenic Acid, C18:3w3	MCR Reference Value 10–190	DHA, C22:6w3	MCR Reference Value 10–220
20 nmol/mL		74 nmol/mL	
Linoleic Acid, C18:2w6	MCR Reference Value 1000–3300	DPA, C22:5w6	MCR Reference Value 3–70
1652 nmol/mL		10 nmol/mL	
Oleic Acid, C18:1w9	MCR Reference Value 250–3500	DPA, C22:5w3	MCR Reference Value 6–110
384 nmol/mL		12 nmol/mL	
Vaccenic Acid, C18:1w7	MCR Reference Value 140–720	DTA, C22:4w6	MCR Reference Value 2–50
421 nmol/mL		30 nmol/mL	

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

Patient ID SA00723185	Patient Name SAMPLEREPORT, PFAPE NML	Birth Date 2020-06-16	Gender M	Age 2 M
Order Number SA00723185	Client Order Number SA00723185	Ordering Physician CLIENT, CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 01 Sep 2020 12:00		

Docosenoic Acid, C22:1	MCR	Total w3	MCR
3 nmol/mL	Reference Value 2–20	0.2 mmol/L	Reference Value 0.0–0.4
Nervonic Acid, C24:1w9	MCR	Total w6	MCR
42 nmol/mL	Reference Value 30–150	0.9 mmol/L	Reference Value 0.9–4.4
Triene Tetraene Ratio	MCR	Total Fatty Acids	MCR
0.023	Reference Value 0.013–0.050	5.2 mmol/L	Reference Value 3.3–14.0
Total Saturated Acid	MCR	Interpretation (PFAPE)	1 MCR
2.6 mmol/L	Reference Value 1.2–4.6	In this sample, the concentrations of linoleic and alpha-linolenic acids were not reduced. The triene/tetraene ratio was not elevated. These findings are not suggestive of a nutritional deficiency of essential fatty acids.	
Total Monounsaturated Acid	MCR	ADDITIONAL INFORMATION	
1.5 mmol/L	Reference Value 0.3–4.6	Gas Chromatography-Mass Spectrometry (GC-MS) Stable Isotope Dilution Analysis	
Total Polyunsaturated Acid	MCR	Received: 02 Sep 2020 09:44	Reported: 02 Sep 2020 09:57
3.0 mmol/L	Reference Value 1.1–4.9		

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.

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