

Patient ID <b>SA00043586</b>	Patient Name <b>SAMPLEREPORT, FAPEP</b>	Birth Date <b>1966-06-10</b>	Gender <b>F</b>	Age <b>45</b>
Order Number <b>SA00043586</b>	Client Order Number <b>SA00043586</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>13 Feb 2012 00:00</b>		

## Fatty Acid Profile, Essential, S

**Lauric Acid, C12:0**

55 nmol/mL

MCR  
Reference Value  
6-90

**Myristic Acid, C14:0**

130 nmol/mL

MCR  
Reference Value  
30-450

**Hexadecenoic Acid, C16:1w9**

71 nmol/mL


MCR  
Reference Value  
25-105

**Palmitoleic Acid, C16:1w7**

115 nmol/mL

MCR  
Reference Value  
110-1130

**Palmitic Acid, C16:0**

 1419 nmol/mL

Low

MCR  
Reference Value  
1480-3730

**g-Linolenic Acid, C18:3w6**

100 nmol/mL

MCR  
Reference Value  
16-150

**α-Linolenic Acid, C18:3w3**

85 nmol/mL

MCR  
Reference Value  
50-130

**Linoleic Acid, C18:2w6**

3200 nmol/mL

MCR  
Reference Value  
2270-3850

**Oleic Acid, C18:1w9**

1500 nmol/mL

MCR  
Reference Value  
650-3500

**Vaccenic Acid, C18:1w7**

 250 nmol/mL

Low

MCR  
Reference Value  
280-740

**Stearic Acid, C18:0**

800 nmol/mL

MCR  
Reference Value  
590-1170

**EPA, C20:5w3**

 655 nmol/mL

High

MCR  
Reference Value  
14-100

**Arachidonic Acid, C20:4w6**

1200 nmol/mL

MCR  
Reference Value  
520-1490

**Mead Acid, C20:3w9**

25 nmol/mL

MCR  
Reference Value  
7-30

**h-g-Linolenic, C20:3w6**

200 nmol/mL

MCR  
Reference Value  
50-250

**Arachidic Acid, C20:0**

 45 nmol/mL

Low

MCR  
Reference Value  
50-90

**DHA, C22:6w3**

 350 nmol/mL

High

MCR  
Reference Value  
30-250

**Performing Site Legend**

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

Patient ID SA00043586	Patient Name SAMPLEREP, FAPEP	Birth Date 1966-06-10	Gender F	Age 45	
Order Number SA00043586	Client Order Number SA00043586	Ordering Physician Client, Client	Report Notes		
Account Information C7028846 DLMP Rochester		Collected 13 Feb 2012 00:00			

**DPA, C22:5w6**
 8 nmol/mL

Low

MCR

 Reference Value  
10–70

**Total Monounsaturated Acid**

2.3 mmol/L

MCR


 Reference Value  
1.3–5.8

**DPA, C22:5w3**

100 nmol/mL

MCR

 Reference Value  
20–210

**Total Polyunsaturated Acid**
 6.5 mmol/L

High

MCR


 Reference Value  
3.2–5.8

**DTA, C22:4w6**

55 nmol/mL

MCR


 Reference Value  
10–80

**Total w3**
 1.2 mmol/L

High

MCR

 Reference Value  
0.2–0.5

**Docosenoic Acid, C22:1**
 20 nmol/mL

High

MCR

 Reference Value  
4–13

**Total w6**

4.5 mmol/L

MCR

 Reference Value  
3.0–5.4

**Nervonic Acid, C24:1w9**
 110 nmol/mL

High

MCR


 Reference Value  
60–100

**Total Fatty Acids**

10.7 mmol/L

MCR

 Reference Value  
7.3–16.8

**Triene Tetraene Ratio**
 0.008

Low

MCR


 Reference Value  
0.010–0.038

**Interpretation**

In this sample, the concentration of docosahexaenoic acid (C22:6 omega 3, DHA) was elevated (? dietary supplementation). Otherwise, the fatty acid profile is essentially normal.

**ADDITIONAL INFORMATION**

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

**Total Saturated Acid**
 2.1 mmol/L

Low

MCR

 Reference Value  
2.5–5.5

**Received:** 14 Feb 2012 12:03

**Reported:** 14 Feb 2012 12:18

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