

Ordering Physician:

Metamatrix

3425 Corporate Way  
 Duluth, GA 30096

**0041 Fatty Acids - Erythrocytes**

Methodology: Capillary Gas Chromatography/Mass Spectrometry



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Results		Quintile Ranking					95% Reference Range	
	uM	1st	2nd	3rd	4th	5th		
<b><u>Monounsaturated</u></b>								
13	Myristoleic (14:1n5)	0.39					0.48	<= 0.78
14	Palmitoleic (16:1n7)	7.9	3.7				11.7	2.7 - 18.3
15	Vaccenic (18:1n7)	19	17				28	15 - 33
16	Oleic (18:1n9)	291	225				351	201 - 410
17	11-Eicosenoic (20:1n9)	5.0	4.3				7.4	3.8 - 9.4
18	Nervonic (24:1n9)	2.0	1.2				2.6	1.0 - 3.2
<b><u>Saturated</u></b>								
19	Capric (10:0)	0.45					0.73	<= 1.03
20	Lauric (12:0)	1.32					1.47	<= 2.58
21	Myristic (14:0)	6.5	3.4				9.5	2.3 - 13.6
22	Palmitic (16:0)	498	402				585	345 - 642
23	Stearic (18:0)	358	352				515	306 - 564
24	Arachidic (20:0)	2.0	1.6				2.7	1.3 - 3.2
25	Behenic (22:0)	1.11	0.85				1.45	0.72 - 1.79
26	Lignoceric (24:0)	1.3	1.3				2.6	1.1 - 3.2
27	Hexacosanoic (26:0)	0.25					0.35	<= 0.58



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Accession Number: **A1103100232**

Reference Number:

Patient: Sample Report

Age: 49 Sex: Female

Date of Birth: 02/05/1962

Date Collected: 3/9/11

Date Received: 3/10/11

Report Date: 3/10/11

Telephone: (770) 446-4583

Fax: (770) 441-2237

Reprinted: 3/22/11

Comment:

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Methodology: Capillary Gas Chromatography/Mass Spectrometry

		Results	Quintile Ranking					95% Reference Range
		uM	1st	2nd	3rd	4th	5th	
<b>Odd Chain</b>								
28	Pentadecanoic (15:0)	2.0	3.7					<= 5.2
29	Heptadecanoic (17:0)	7.1	8.7					<= 11.1
30	Nonadecanoic (19:0)	0.89	0.99					<= 1.28
31	Heneicosanoic (21:0)	0.08	0.11					<= 0.18
32	Tricosanoic (23:0)	0.12	0.16					<= 0.22
<b>Trans</b>								
33	Total C:18 Trans	18.4	20.0					<= 28.1
<b>Ratios</b>								
34	LA/DGLA	9.2	9.4					<= 14.4
35	EPA/DGLA	0.2 L	0.3					0.1 - 4.8
36	AA/EPA	53 H	36					2 - 69
37	Stearic/Oleic	1.23 L	1.37					>= 1.13

• These guidelines are intended as a starting point for the clinician who requested the test and are based only on the laboratory results included in this report. Final recommendations should be implemented by the clinician with consideration of medical history and current clinical observations.  
 • These tests are not intended for the diagnosis of specific disorders.