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Ordering Physician:

167394 - 182239

Metamatrix Research Account

4855 Peachtree Industrial Blvd.
Suite 201
Norcross, GA 30092

Accession Number: **A0605190213**

Reference Number:

Patient:

Sample Report

Age: 56

Sex: F

Date of Birth:

12/25/1949

Date Collected:

Not Specified

Date Received:

5/19/06

Report Date:

5/19/06

Telephone:

7704465483

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7704412237

Reprinted:

6/14/06

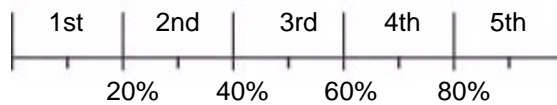
Comment:

0040 Fatty Acids - Plasma

Methodology: Capillary Gas Chromatography/Mass Spectrometry

Ranges are for ages 13 and over

Percentile Ranking by Quintile



**95%
Reference
Interval**

Polyunsaturated Omega-3

Results
uM

1 Alpha Linolenic (18:3n3)

15



9 - 98

2 Eicosapentaenoic (20:5n3)

14 L



9 - 276

3 Docosapentaenoic (22:5n3)

23



14 - 83

4 Docosahexaenoic (22:6n3)

73 L



49 - 384

Polyunsaturated Omega-6

5 Linoleic (18:2n6)

1,911



1,052 - 3,224

6 Gamma Linolenic (18:3n6)

9.8



2.7 - 42.8

7 Eicosadienoic (20:2n6)

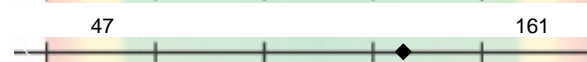
10.3



4.7 - 24.4

8 Dihomogamma Linolenic (20:3n6)

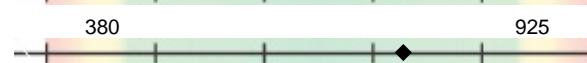
107



33 - 224

9 Arachidonic (20:4n6)

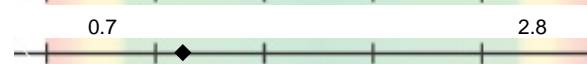
711



269 - 1,170

10 Docosadienoic (22:2n6)

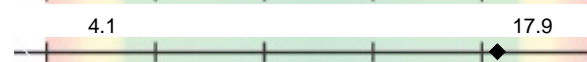
1.0



0.3 - 4.7

11 Docosatetraenoic (22:4n6)

16.1



2.4 - 25.9

Polyunsaturated Omega-9

12 Mead (20:3n9)

9.8



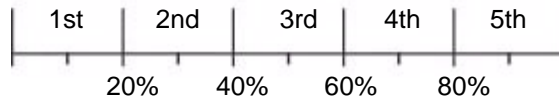
4.8 - 23.6

0040 Fatty Acids - Plasma

Methodology: Capillary Gas Chromatography/Mass Spectrometry

Ranges are for ages 13 and over

Percentile Ranking by Quintile



**95%
Reference
Interval**

Monounsaturated

| Results | uM | Percentile Ranking | 95% Reference Interval |
|---------------------------|-------|--------------------|------------------------|
| 13 Myristoleic (14:1n5) | 1.5 | 3.9 | <= 7.5 |
| 14 Palmitoleic (16:1n7) | 63 | 106 | <= 195 |
| 15 Vaccenic (18:1n7) | 56 | 48 - 111 | 39 - 142 |
| 16 Oleic (18:1n9) | 1,026 | 718 - 1,669 | 598 - 2,173 |
| 17 11-Eicosenoic (20:1n9) | 6.1 | 4.7 - 11.4 | 3.6 - 15.9 |
| 18 Erucic (22:1n9) | 6.4 | 2.5 - 6.8 | 1.9 - 8.3 |
| 19 Nervonic (24:1n9) | 48 | 46 - 112 | 32 - 142 |

Saturated

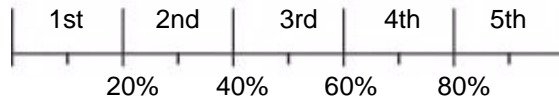
| | | | |
|------------------------|-------|---------------|---------------|
| 20 Capric (10:0) | 1.0 L | 1.1 - 4.1 | 0.8 - 7.7 |
| 21 Lauric (12:0) | 3.6 | 3.0 - 12.7 | 2.3 - 30.2 |
| 22 Myristic (14:0) | 32 | 23 - 92 | 16 - 146 |
| 23 Palmitic (16:0) | 1,834 | 1,363 - 2,811 | 1,134 - 3,731 |
| 24 Stearic (18:0) | 793 | 543 - 989 | 485 - 1,163 |
| 25 Arachidic (20:0) | 23.0 | 12.1 - 26.0 | 9.6 - 32.1 |
| 26 Behenic (22:0) | 65 | 34 - 73 | 26 - 90 |
| 27 Lignoceric (24:0) | 40 | 24 - 57 | 17 - 70 |
| 28 Hexacosanoic (26:0) | < 0.4 | 0.63 | <= 1.34 |

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Ranges are for ages 13 and over

Percentile Ranking by Quintile



**95%
 Reference
 Interval**

Odd Chain

| Results | uM | Percentile Ranking | 95% Reference Interval |
|-------------------------|-----|--------------------|------------------------|
| 29 Pentadecanoic (15:0) | 9.3 | 15.8 | <= 21.3 |
| 30 Heptadecanoic (17:0) | 15 | 25 | <= 32 |
| 31 Nonadecanoic (19:0) | 1.1 | 2.7 | <= 3.5 |
| 32 Heneicosanoic (21:0) | 1.7 | 2.1 | <= 3.2 |
| 33 Tricosanoic (23:0) | 21 | 27 | <= 35 |

Trans

| | | | |
|----------------------------|-------------|-----|--------|
| 34 Palmitelaidic (16:1n7t) | 2.5 | 2.7 | <= 4.6 |
| 35 Total C:18 Trans | 86 H | 77 | <= 122 |

Ratios

| | | | |
|--------------------|---------------|-------|-------------|
| 36 LA/DGLA | 18 | 36 | 9 - 55 |
| 37 EPA/DGLA | 0.13 L | 0.15 | 0.09 - 5.15 |
| 38 AA/EPA | 51.4 H | 41.3 | 1.5 - 60.7 |
| 39 Triene/Tetraene | 0.014 | 0.025 | <= 0.035 |

· 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.