



LAB #: B\$\$\$\$\$!\$\$\$\$\$  
 PATIENT: Sample Patient  
 ID: PATIENT-S-00019  
 SEX: Female  
 AGE: 30

CLIENT #: 12345  
 DOCTOR:  
 Doctors Data, Inc.  
 3755 Illinois Ave.  
 St. Charles, IL 60174 USA

## Fatty Acids; Erythrocytes

OMEGA 3 FATTY ACIDS	RESULT %/TOTAL	REFERENCE INTERVAL	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
Eicosapentaenoic (EPA) 20:5 $\omega$ 3	0.7	0.5- 5.0					
Docosahexanoic (DHA) 22:6 $\omega$ 3	3.9	3- 8.0					
<b>OMEGA 6 FATTY ACIDS</b>							
Linoleic 18:2 $\omega$ 6	11	7- 15					
Dihomo- $\gamma$ -linolenic (DGLA) 20:3 $\omega$ 6	1.4	1.2- 4.0					
Arachidonic (AA) 20:4 $\omega$ 6	23	9- 19					
<b>MONOUNSATURATED FATTY ACIDS</b>							
Oleic 18:1 $\omega$ 9	14	12- 20					
Palmitoleic 16:1 $\omega$ 7	0.21	0.12- 0.65					
<b>SATURATED FATTY ACIDS</b>							
Palmitic 16:0	27	17- 28					
Stearic 18:0	19	14- 20					
				68 <sup>th</sup>		95 <sup>th</sup>	
<b>TRANSISOMER FATTY ACIDS</b>							
Palmitelaidic 16:1 $\omega$ 7t	0.015	< 0.050					
Elaidic 18:1 $\omega$ 9t	0.2	< 0.4					

RATIOS							
OMEGA 3 AND OMEGA 6 RATIOS	RESULT	REFERENCE INTERVAL	PERCENTILE				
			2.5 <sup>th</sup>	16 <sup>th</sup>	50 <sup>th</sup>	84 <sup>th</sup>	97.5 <sup>th</sup>
AA/EPA	34	2- 28					
EPA/DHA	0.17	0.15- 1.2					
AA/DGLA	16	5- 14					
EPA/DGLA	0.5	0.2- 1.6					
<b>DESATURASE ENZYME MARKERS</b>							
Linoleic/DGLA ( $\Delta$ 6)	7.7	2.5- 10					
Stearic/Oleic ( $\Delta$ 9)	1.33	0.8- 1.40					
DGLA/AA ( $\Delta$ 5)	0.06	0.065- 0.16					

FATTY ACID DISTRIBUTION						
	TOTAL	OMEGA 3	OMEGA 6	MONO	SATURATED	TRANS
Patient Distribution	4760 $\mu$ mol/L	5 %	35 %	15 %	46 %	0.2 %
Average Distribution	5200 $\mu$ mol/L	9 %	29 %	18 %	44 %	0.3 %

SPECIMEN DATA	
Comments:	
Date Collected:	10/26/2010
Date Received:	10/27/2010 <dl: less than detection limit
Date Completed:	11/1/2010
Method:	Gas Chromatography (GC) v07.10