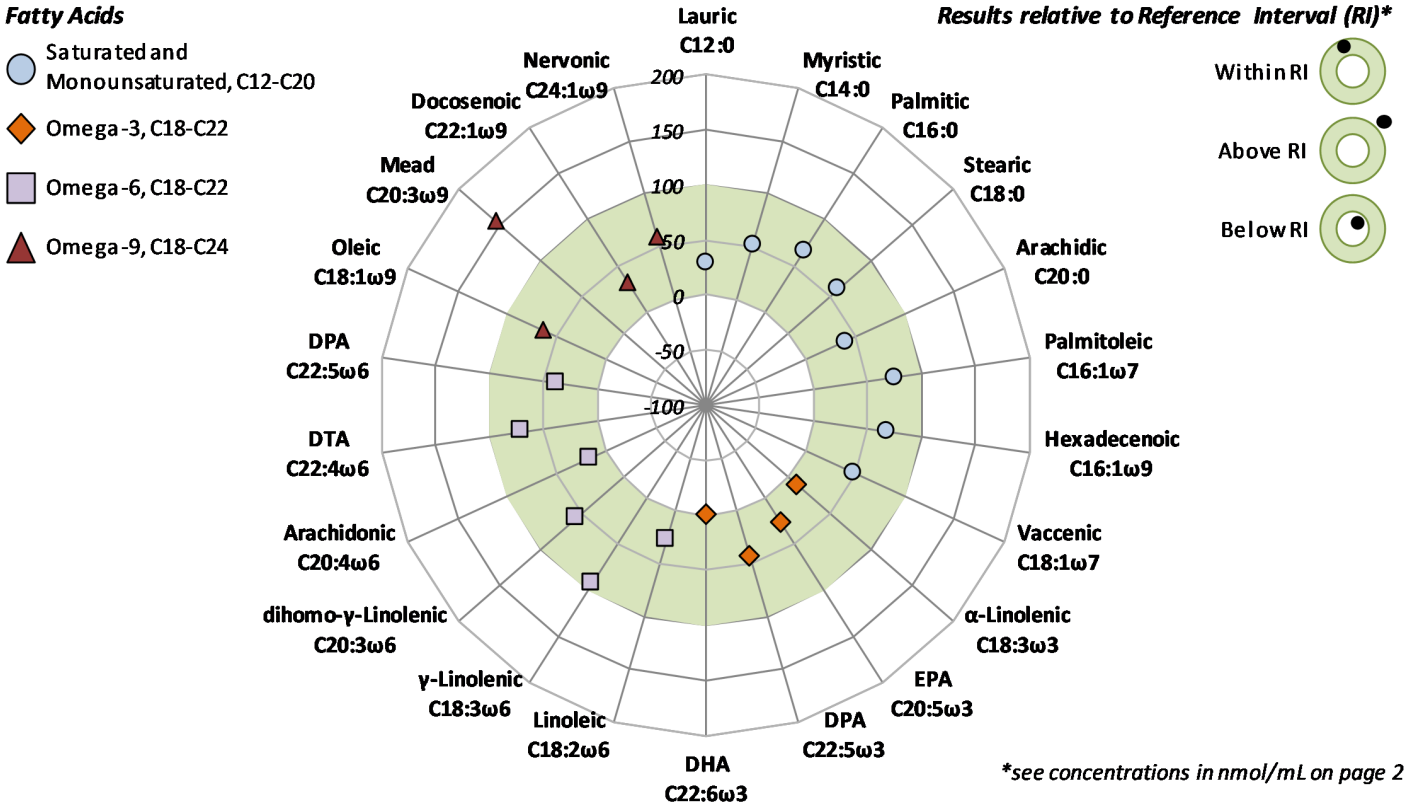
Fatty Acids Profile, Essential Serum or Plasma

Patient: [redacted]
DOB: [redacted] Age: 5 Gender: M
Patient Identifiers: [redacted]
Visit Number (FIN): [redacted]

Client: [redacted]
Physician: [redacted]

ARUP Test Code: 2013518
Collection Date: 02/10/2020
Received in lab: 02/12/2020
Completion Date: 02/14/2020



*see concentrations in nmol/mL on page 2

	Ratio	Totals (mmol/L)					
	Triene:Tetraene	Saturated	Monounsaturated	Polyunsaturated	Omega-3	Omega-6	Fatty Acids
Results	**0.108 H**	4.1	3.5	3.1	0.16	2.9	10.8
Ref Interval	*0.004-0.051*	*1.5-5.3*	*0.9-4.7*	*2.1-6.2*	*0.12-0.55*	*1.8-5.7*	*4.5-15.0*

Interpretation

In this sample the concentration of omega-9 mead acid and the Triene/Tetraene ratio were mildly increased. The concentration of omega-3 docosahexaenoic acid (DHA) was mildly reduced. These findings are associated with nutritional deficiency of essential fatty acids. Would repeat this study.

Patient: [redacted] | **Date of Birth:** [redacted] | **Gender:** M | **Physician:** [redacted]
Patient Identifiers: [redacted] | **Visit Number (FIN):** [redacted]

Patient Results

Fatty Acids	Values (nmol/mL)	Flag	Reference Interval
Arachidic Acid, C20:0	22		8-43
Arachidonic acid, C20:4w6	499		310-1420
DHA, C22:6w3	**40**	**L**	**45-365**
DPA, C22:5w3	39		13-75
DPA, C22:5w6	25		6-55
DTA, C22:4w6	31		10-40
Docosenoic Acid, C22:1	4		1-10
EPA, C20:5w3	41		8-130
Hexadecenoic Acid, C16:1w9	69		14-95
Lauric Acid, C12:0	61		1-200
Linoleic Acid, C18:2w6	2058		1210-4300
a-Linolenic Acid, C18:3w3	36		20-200
h-g-Linolenic C20:3w6	213		45-340
g-Linolenic Acid, C18:3w6	112		10-120
Mead Acid, C20:3w9	**54**	**H**	**1-35**
Myristic Acid, C14:0	280		20-520
Nervonic Acid, C24:1w9	101		35-145
Oleic Acid, C18:1w9	2737		740-3900
Palmitic Acid, C16:0	2912		1090-3840
Palmitoleic Acid, C16:1w7	440		35-580
Stearic Acid, C18:0	869		280-1250
Vaccenic Acid, C18:1w7	146		50-250

Compliance

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

Disclaimer

This test does not screen for disorders of peroxisomal biogenesis/function.