

TEST NUMBERT-NL-XXXXX (XXXXXXXXX)GENDERXYZAGE:XX

COLLECTED: XX/XX/XXXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX TEST REF: TST-NL-XXXX

xxxxxxxxxxxx

TEST NAME: Metabolomix+ with Fatty Acids add-on

PAT



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TIENT:	$\mathbf{\Lambda}$	$\mathbf{\Lambda}$	^/	$\mathbf{\lambda}$	\mathbf{X}	\mathbf{X}	$\mathbf{\Lambda}\mathbf{\Lambda}$	XXXX

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PRACTITIONER:

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PA'

	Nutrient Need Overview		
	Nutrient Need	Suggested DRI Recommendations	Provider Recommendations
Antioxidants	0 1 2 3 4 5 6 7 8 9 10		
Vitamin A	2	2,333 IU 3,000 IU	
Vitamin C		75 mg 250 mg	
Vitamin E / Tocopherols		22 IU 100 IU	
α-Lipoic Acid		200 mg	
CoQ10		30 mg	
Glutathione			
Plant-based Antioxidants			
B-Vitamins			
Thiamin - B1		1.1 mg 25 mg	
Riboflavin - B2		1.1 mg 25 mg	
Niacin - B3		14 mg 20 mg	
Pyridoxine - B6		1.3 mg 25 mg	
Biotin - B7		30 mcg 200 mcg	
Folate - B9		400 mcg 400 mcg	
Cobalamin - B12	2	2.4 mcg 500 mcg	
Minerals			
Magnesium		320 mg 600 mg	
Manganese		1.8 mg 3.0 mg 45 mcg 75 mcg	
Molybdenum Zinc		45 mcg 8 mg 10 mg	
Essential Fatty Acids			
Omega-3 Fatty Acids		500 mg 500 mg	
GI Support			
Digestive Support/Enzymes			
Microbiome Support/Probiotics		10 billion CFU	
Amino Acids (mg/day)			
Arginine 0		ations for age and gender-specific suppl	
Asparagine 187	Phenylalanine 0 the peer-revie	vels of nutrient functional need to optima ewed literature. They are provided as gu	
Cysteine 108		tritional deficiencies only.	
Glutamine 89	practitioner. A	Need Overview is provided at the reque Any application of it as a therapeutic inte	
Glycine 1,277	Threonine 0 determined by Tryptophan 0	by the ordering practitioner.	
Histidine 671 Isoleucine 0	Tyrosine 35		
Leucine 0	Valine 0		
Lysine 494			
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PRACTITIONEE XXXXXXXXXXXXXXXX

Page 3

TEST NAME: Metabolomix+ with Fatty Acids add-on

Patient: SAMPLE PATIENT

Interpretation At-A-Glance

Antioxidant Needs



- Beta-carotene & other carotenoids are converted to vitamin A (retinol), involved in vision, antioxidant & immune function, gene expression & cell growth
- Vitamin A deficiency may occur with chronic alcoholism, zinc deficiency, hypothyroidism, or oral contraceptives containing estrogen & progestin.
- Deficiency may result in night blindness, impaired immunity, healing & tissue regeneration, increased risk of infection, leukoplakia or keratosis.
- Food sources include cod liver oil, fortified cereals & milk, eggs, sweet potato, pumpkin, carrot, cantaloupe, mango, spinach, broccoli, kale & butternut squash

Vitamin E / Tocopherols



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- Alpha-tocopherol (body's main form of vitamin E) functions as an antioxidant, regulates cell signaling, influences immune function and inhibits coagulation
- Deficiency may occur with malabsorption, cholestyramine, colestipol. isoniazid. orlistat, olestra and certain anti-convulsants (e.g., phenobarbital, phenytoin).
- Deficiency may result in peripheral neuropathy, ataxia, muscle weakness retinopathy, and increased risk of CVD, prostate cancer and cataracts
- Food sources include oils (olive, soy, corn, canola, safflower, sunflower), eggs, nuts, seeds, spinach, carrots, avocado, dark leafy greens and wheat germ.

CoQ10



- CoQ10 is a powerful antioxidant that is synthesized in the body and contained in cell membranes. CoQ10 is also essential for energy production & pH regulation.
- CoQ10 deficiency may occur with HMG-CoA reductase inhibitors (statins), several anti-diabetic medication classes (biguanides, sulfonylureas) or beta-blockers
- Low levels may aggravate oxidative stress, diabetes, cancer, congestive heart failure, cardiac arrhythmias, gingivitis and neurologic diseases
- Main food sources include meat, poultry, fish, soybean, canola oil, nuts and whole grains. Moderate sources include fruits, vegetables, eggs and dairy.

Plant-based Antioxidants

Function of Nutrient

- Oxidative stress is the imbalance between the production of free radicals and the body's ability to readily detoxify these reactive species and/or repair the resulting damage with anti-oxidants
- Oxidative stress can be endogenous (energy production and inflammation) or exogenous (exercise, exposure to environmental toxins).
- Oxidative stress has been implicated clinically in the development of neurodegenerative diseases, cardiovascular diseases and chronic fatigue syndrome.
- Antioxidants may be found in whole food sources (e.g., brightly colored fruits & vegetables, green tea, turmeric) as well as nutraceuticals (e.g., resveratrol, EGCG, lutein, lycopene, ginkgo, milk thistle, etc.).

- Vitamin C is an antioxidant (also used in the regeneration of other antioxidants). It is involved in cholesterol metabolism, the production & function of WBCs and antibodies, and the synthesis of collagen, norepinephrine and carnitine
- Deficiency may occur with oral contraceptives, aspirin, diuretics or NSAIDs
- Deficiency can result in scurvy, swollen gingiva, periodontal destruction, loose teeth, sore mouth, soft tissue ulcerations, or increased risk of infection
- Food sources include oranges, grapefruit, strawberries, tomato, sweet red pepper, broccoli and potato.

a-Lipoic Acid

Vitamin C



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- α-Lipoic acid plays an important role in energy production, antioxidant activity (including the regeneration of vitamin C and glutathione), insulin signaling, cell signaling and the catabolism of α-keto acids and amino acids.
- High biotin intake can compete with lipoic acid for cell membrane entry
- Optimal levels of α-lipoic acid may improve glucose utilization and protect against diabetic neuropathy, vascular disease and age-related cognitive decline.
- Main food sources include organ meats, spinach and broccoli. Lesser sources include tomato, peas, Brussels sprouts and brewer's yeast.

Glutathione



- Glutathione (GSH) is composed of cysteine, glutamine & glycine. GSH is a source of sulfate and plays a key role in antioxidant activity and detoxification of toxins
- GSH requirement is increased with high-fat diets, cigarette smoke, cystinuria, chronic alcoholism, chronic acetaminophen use, infection, inflammation and toxic exposure
- Deficiency may result in oxidative stress & damage, impaired detoxification, altered immunity, macular degeneration and increased risk of chronic illness
- Food sources of GSH precursors include meats, poultry, fish, soy, corn, nuts, seeds, wheat germ, milk and cheese

KEY

Complications of Deficiency



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Cause of Deficiency



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Page 4 Patient: SAMPLE PATIENT Interpretation At-A-Glance **B-Vitamin Needs** Thiamin - B1 Pyridoxine - B6 5 6 B6 (as P5P) is a cofactor for enzymes involved in glycogenolysis & gluconeo B1 is a required cofactor for enzymes involved in energy production from food genesis, and synthesis of neurotransmitters, heme, B3, RBCs and nucleic acids and for the synthesis of ATP, GTP, DNA, RNA and NADPH Low B6 may result from chronic alcoholism, long-term diuretics, estrogens (oral Low B1 can result from chronic alcoholism, diuretics, digoxin, oral contraceptives and HRT, or large amounts of tea & coffee (contain anti-B1 factors) contraceptives and HRT), anti-TB meds, penicillamine, L-DOPA or digoxin. B1 deficiency may lead to dry beriberi (e.g., neuropathy, muscle weakness), B6 deficiency may result in neurologic symptoms (e.g., irritability, depression, wet beriberi (e.g., cardiac problems, edema), encephalopathy or dementia. seizures), oral inflammation, impaired immunity or increased homocysteine Food sources include lentils, whole grains, wheat germ, Brazil nuts, peas, organ Food sources include poultry, beef, beef liver, fish, whole grains, wheat germ, meats, brewer's yeast, blackstrap molasses, spinach, milk & eggs. soybean, lentils, nuts & seeds, potato, spinach and carrots. **Riboflavin - B2** Biotin - B7 5 7 B2 is a key component of enzymes involved in antioxidant function, energy Biotin is a cofactor for enzymes involved in functions such as fatty acid synthesis, production, detoxification, methionine metabolism and vitamin activation mitochondrial FA oxidation, gluconeogenesis and DNA replication & transcription. Deficiency may result from certain inborn errors, chronic intake of raw egg Low B2 may result from chronic alcoholism, some anti-psychotic medications, whites, long-term TPN, anticonvulsants, high-dose B5, sulfa drugs & othe oral contraceptives, tricyclic antidepressants, quinacrine or adriamycin antibiotics B2 deficiency may result in oxidative stress, mitochondrial dysfunction, low uric Low levels may result in neurologic symptoms (e.g., paresthesias, depression), hair loss, scaly rash on face or genitals or impaired immunity cid, low B3 or B6, high homocysteine, anemia or oral & throat inflammation Food sources include yeast, whole grains, wheat germ, eggs, cheese, liver, Food sources include milk, cheese, eggs, whole grains, beef, chicken, wheat meats, fish, wheat, nuts & seeds, avocado, raspberries, sweet potato and germ, fish, broccoli, asparagus, spinach, mushrooms and almonds. cauliflower Niacin - B3 Folate - B9 2 2 B3 is used to form NAD and NADP, involved in energy production from food, Folate plays a key role in coenzymes involved in DNA and SAMe synthesis fatty acid & cholesterol synthesis, cell signaling, DNA repair & cell methylation, nucleic acids & amino acid metabolism and RBC production differentiation Low folate may result from alcoholism, high-dose NSAIDs, diabetic meds, H2 Low B3 may result from deficiencies of tryptophan (B3 precursor), B6, B2 or Fe blockers, some diuretics and anti-convulsants, SSRIs, methotrexate (cofactors in B3 production), or from long-term isoniazid or oral contraceptive trimethoprim, pyrimethamine, triamterene, sulfasalazine or cholestyra LISE Folate deficiency can result in anemia, fatigue, low methionine, increased B3 deficiency may result in pellagra (dermatitis, diarrhea, dementia), neurologic homocysteine, impaired immunity, heart disease, birth defects and CA risk. symptoms (e.g., depression, memory loss), bright red tongue or fatigue Food sources include poultry, beef, organ meats, fish, whole grains, peanuts, Food sources include fortified grains, green vegetables, beans & legumes seeds, lentils, brewer's yeast and lima beans Cobalamin - B12 6 B12 plays important roles in energy production from fats & proteins methylation, synthesis of hemoglobin & RBCs, and maintenance of nerve cells, DNA & RNA Low B12 may result from alcoholism, malabsorption, hypochlorhydria (e.g., from atrophic gastritis, H. pylori infection, pernicious anemia, H2 blockers, PPIs), vegan diets, diabetic meds, cholestyramine, chloramphenicol, neomycin or colchicine B12 deficiency can lead to anemia, fatigue, neurologic symptoms (e.g., paresthesias, memory loss, depression, dementia), methylation defects or chromosome breaks Food sources include shellfish, red meat, poultry, fish, eggs, milk and cheese. **KEY** Function of Nutrient Cause of Deficiency Complications of Deficiency Food Sources of Nutrient UK Office: Nordic Laboratories Aps Page 4 of 12 Nygade 6, 3.sal • 1164 Copenhagen K • Denmark 11 Old Factory Buildings • Stonegate • E. Sussex TN5 7DU • UK www.nordic-labs.com Tlf. +45 33 75 10 00 Tel: +44 (0)1580 201 687 info@nordic-labs.com



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Page 5 Patient: SAMPLE PATIENT Interpretation At-A-Glance Mineral Needs Magnesium Manganese 5 0 Magnesium is involved in >300 metabolic reactions. Key areas include energy Manganese plays an important role in antioxidant function, gluconeogenesis, production, bone & ATP formation, muscle & nerve conduction and cell the urea cycle, cartilage & bone formation, energy production and digestion. signaling. Impaired absorption of Mn may occur with excess intake of Fe, Ca, Cu, folic Deficiency may occur with malabsorption, alcoholism, hyperparathyroidism, acid, or phosphorous compounds, or use of long-term TPN, Mg-containing renal disorders (wasting), diabetes, diuretics, digoxin or high doses of zinc. antacids or laxatives Low Mg may result in muscle weakness/spasm, constipation, depression, Deficiency may result in impaired bone/connective tissue growth, glucose & hypertension, arrhythmias, hypocalcemia, hypokalemia or personality changes. lipid dysregulation, infertility, oxidative stress, inflammation or hyperammonemia Food sources include dark leafy greens, oatmeal, buckwheat, unpolished Food sources include whole grains, legumes, dried fruits, nuts, dark green leafy grains, chocolate, milk, nuts & seeds, lima beans and molasses vegetables, liver, kidney and tea. Molvbdenum Zinc 0 0 Molybdenum is a cofactor for enzymes that convert sulfites to sulfate, and Zinc plays a vital role in immunity, protein metabolism, heme synthesis, nucleotides to uric acid, and that help metabolize aldehydes & other toxins growth & development, reproduction, digestion and antioxidant function Low Mo levels may result from long-term TPN that does not include Mo Low levels may occur with malabsorption, alcoholism, chronic diarrhea diabetes, excess Cu or Fe, diuretics, ACE inhibitors, H2 blockers or digoxin Mo deficiency may result in increased sulfite, decreased plasma uric acid (and Deficiency can result in hair loss and skin rashes, also impairments in growth & antioxidant function), deficient sulfate, impaired sulfation (detoxification), neurologic disorders or brain damage (if severe deficiency). healing, immunity, sexual function, taste & smell and digestion. Food sources include buckwheat, beans, grains, nuts, beans, lentils, meats Food sources include oysters, organ meats, soybean, wheat germ, seeds, and vegetables (although Mo content of plants depends on soil content). nuts, red meat, chicken, herring, milk, yeast, leafy and root vegetables.

Essential Fatty Acid Needs

Need for Omega-3s

- Omega-3 (O3) and Omega-6 (O6) fatty acids are polyunsaturated fatty acids that cannot be synthesized by the human body. They are classified as essential nutrients and must be obtained from dietary sources.
 The standard American diet is much higher in O6 than O3 fatty acids. Deficiency of EFAs may result from poor dietary intake and/or poor conversion from food sources.
 - EFA deficiency is associated with decreased growth & development of infants and children, dry skin/rash, poor wound healing, and increased risk of infection, cardiovascular and inflammatory diseases.
 - Dietary sources of the O6 Linoleic Acid (LA) include vegetable oils, nuts, seeds and some vegetables. Dietary sources of the O3 a-Linolenic Acid (ALA) include flaxseeds, walnuts, and their oils. Fish (mackerel, salmon, sardines) are the major dietary sources of the O3 fatty acids EPA and DHA.





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Toxic Exposure

Function of Nutrient

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Methyl tert-Butyl Ether (MTBE) is a common gasoline additive used to increase octane ratings, and has been found to contaminate ground water supplies where gasoline is stored. Inhalation of MTBE may cause nose and throat irritation, as well as headaches, nausea, dizziness and mental confusion. Animal studies suggest that drinking MTBE may cause gastrointestinal irritation, liver and kidney damage and nervous system effects.

Styrene is classified by the US EPA as a "potential human carcinogen," and is found widely distributed in commercial products such as rubber, plastic, insulation, fiberglass, pipes, food containers and carpet backing.

Levels of these toxic substances should be examined within the context of the body's functional capacity for methylation and need for glutathione.

Cause of Deficiency

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Food Sources of Nutrient

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All biomarkers reported in n	nmol/mol creatinine unless otherwise not	ted.			
		Organi	c Acids		
Malabsorption &	Dysbiosis Markers		Vitamin Markers	5	
Malabsorption Ma	rkers	Reference Range	Branched-Chain	Catabolites (B1, B2, B3, ALA)	Referenc Range
Indoleacetic Acid	0.6	<= 4.2	α-Ketoadipic Acid	0.4	<= 1.7
Phenylacetic Acid	0.04	<= 0.12	α-Ketoisovaleric Acid	0.24	<= 0.97
Dysbiosis Markers		<= 0.12		0.87	
-	0.3		α-Ketoisocaproic Acid	0.4	<= 0.89
Dihydroxyphenylpropionic Acid (DHPPA)		<= 5.3	α-Keto-β-Methylvaleric Acid	0.43	<= 2.1
3-Hydroxyphenylacetic Acid	0.4	<= 8.1	Glutaric Acid	▲ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	<= 0.51
4-Hydroxyphenylacetic Acid	2	<= 29	Isovalerylglycine	0.4	<= 3.7
Benzoic Acid	0.05	<= 0.05	Methylation Mark	ers (Folate, B12)	
Hippuric Acid	1	<= 603	Formiminoglutamic Acid	0.7	<= 1.5
Yeast / Fungal Dys	shiosis Markers	- 000	(FIGlu)	0.5	
reast/rungarbys	16		Methylmalonic Acid		<= 1.9
D-Arabinitol		<= 36	Biotin Markers	40	
Citramalic Acid	0.4	<= 5.8	3-Hydroxypropionic Acid	16 ◆	5-22
Tartaric Acid		<= 15	3-Hydroxyisovaleric Acid	2	<= 29
Cellular Energy	& Mitochondrial Markers		Neurotransmitte	er Metabolites	
Fatty Acid Metabo	lism	Reference Range	Kynurenine Marke	ers (Vitamin B6)	Referenc Range
Adipic Acid	1.9	<= 2.8	Kynurenic Acid	0.3	<= 7.1
Suberic Acid	0.3	<= 2.1	Quinolinic Acid	0.3	<= 9.1
Carbohydrate Met	abolism		Kynurenic / Quinolinic	1.00	
earbeilg arate met	10		Ratio	0.28	>= 0.44
Pyruvic Acid	3.2	7-32	Xanthurenic Acid	•	<= 0.96
Lactic Acid		1.9-19.8	Catecholamine M		
α-Hydroxybutyric Acid	0.60	<= 0.83	Homovanillic Acid	1.6	1.2-5.3
β-OH-Butyric Acid	0.5	<= 2.8	Vanilmandelic Acid	1.4	0.4-3.6
β-OH-β-Methylglutaric	1	<= 15	3-Methyl-4-OH-	0.15	0.02-0.2
Acid Energy Metabolis	n		phenylglycol Serotonin Marker	s	
				4.5	
Citric Acid	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● 	40-520	5-OH-indoleacetic Acid		3.8-12. ⁻
cis-Aconitic Acid		10-36	Toxin & Detoxifi	ication Markers	Referenc Range
Isocitric Acid	44	22-65	Pyroglutamic Acid	26	16-34
α-Ketoglutaric Acid	10	4-52	α-Ketophenylacetic Acid	0.38	<= 0.46
Succinic Acid	0.5	0.4-4.6	(from Styrene)	0.5	
Malic Acid	2.1	<= 3.0	a-Hydroxyisobutyric Acid (from MTBE)	0.36	<= 6.7
		~= 3.0	Orotic Acid		0.33-1.0
lethodology: GCMS, LC/MS/M	IS, Alkaline Picrate, Colorimetric		Organic Acid Reference R	anges are Age Specific	

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	I in micromol/g creatinine unless otherwi				
Nutritionally	Essential Amino Acids		cids (FMV) Intermediary Me	stabolitas	
Amino Acid	LSSential Amino Acius	Reference			Reference
	19	Range		19	Range
rginine	163	3-43	α-Aminoadipic Acid	15	2-47
istidine		124-894	α-Amino-N-butyric Acid		2-25
oleucine	19	3-28	β-Aminoisobutyric Acid	16 ◆	11-160
eucine	26 ●	4-46	Cystathionine	15 ◆	2-68
sine	29	11-175	Urea Cycle Marke	ers	
ethionine	3	2-18	Citrulline	1.3	0.6-3.9
nenylalanine	23	8-71	Ornithine	15	2-21
aurine	31	21-424		357	168-465
	69		Urea •		mmol/g creatinin
ireonine	19	17-135	Glycine/Serine M		
yptophan	33	5-53	Glycine	138	95-683
aline		7-49	Serine	69	40-163
	Protein Amino Acids	Reference	Ethanolamine	73 ◆	50-235
mino Acid	63	Reference Range	Phosphoethanolamine	4	1-13
anine		63-356	Phosphoserine	6	3-13
sparagine	40 •	25-166	Sarcosine	0.5	<= 1.1
spartic Acid	13 •	<= 14		Related Markers	Referenc
ysteine	16 ◆	8-74		18.8	Range
ystine	19	10-104	Anserine (dipeptide)	15	0.4-105
Aminobutyric Acid	3	<= 5	Carnosine (dipeptide)		1-28
lutamic Acid	15	4-27	1-Methylhistidine	45 ◆	38-988
lutamine	188	110-632	3-Methylhistidine	50 ◀	44-281
	6		β-Alanine	15	<= 22
oline	30	1-13			
vrosine		11-135 Reference			
Sreatinine Co	oncentration	Range			
	7.1				

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Patient: SAMPLE PATIENT

3202 Add-on Bloodspot Essential & Metabolic Fatty Acids - Bloodspot Methodology: GCMS

Omega-3 Fatt	y Acids		Omega-6 Fat	ty Acids	
Analyte		Reference Range	Analyte		Referenc Range
r-Linolenic ALA) 18:3 n3	(cold water fish, flax, walnut) 1.22 ♦	>= 0.28 wt %	Linoleic (LA) 18:2 n6	(vegetable oil, grains, most meats, dairy) 24.4	- 18.8-28.3 wt
Eicosapentaenoic EPA) 20:5 n3	1.22	>= 0.12 wt %	γ-Linolenic (GLA) 18:3 n6	0.37	0.15-0.54 wt
Docosapentaenoic DPA) 22:5 n3	1.22	>= 0.34 wt %	Dihomo-γ-linolenic (DGLA) 20:3 n6	2.44	>= 1.02 wt %
Docosahexaenoic DHA) 22:6 n3	1.2	>= 0.8 wt %	Arachidonic (AA) 20:4 n6	7	7-12 wt %
6 Omega-3s	4.9	>= 1.6	Docosatetraenoic (DTA) 22:4 n6	1.22	0.45-1.25 wt
Omega-9 Fatt	y Acids		Eicosadienoic 20:2 n6	0.24	<= 0.26 wt %
Analyte		Reference Range	% Omega-6s	36.0	30.5-39.7
Dleic	(olive oil) 15 ◆	14-21 wt %	Monounsatu	rated Fatty Acids	
Vervonic	1.2 ◆	1.1-1.8 wt %	Omega-7 Fatty	y Acids	Reference Range
24:1 n9 6 Omega-9s	17.1	17.3-22.5	Palmitoleic 16:1 n7	1.22	<= 2.58 wt %
Saturated Fat	ty Acids		Vaccenic 18:1 n7	1.22	<= 1.65 wt %
Analyte		Reference Range	Trans Fats		
Palmitic	(meat, dairy, coconuts, palm oils) 26 ◆	19-27 wt %	Elaidic 18:1 n9t	0.49	<= 0.59 wt %
tearic 18:0	10	9-12 wt %	Delta-6-Desa	turase Activity	
Arachidic 220:0	0.37	0.24-0.40 wt %	Linoleic / DGLA	Upregulated Functional Impaired 10.0	12.6-31.5
Behenic C22:0	1.22	0.88-1.61 wt %	18:2 n6 / 20:3 n6 Cardiovascu	lar Pick	12.0-31.5
ricosanoic	0.24	0.19-0.26 wt %	Analyte		Reference
ignoceric	24.4 ◆	1.1-1.9 wt %	Omega-6s /	7.4	Range
Pentadecanoic	0.24	0.14-0.30 wt %	Omega-3s AA / EPA	6	8.5-27.4
Margaric C17:0	0.37	0.24-0.45 wt %	20:4 n6 / 20:5 n3		10-86
6 Saturated Fats ┥	39.1 ◆	39.8-43.6	-		
			The Essential Fatty	Acid reference ranges are based on a	adult population.
			The Essential Fatty /	Acid reference ranges are based on a	n adult populatio
	or the Omega 3 Index have been conve	erted to red blood ce	ll equivalence in order	to maintain applicability to the literatur	e-based reference
ranges for this mark	er.				

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TEST NUMBER: T-NL-XXXXX (XXXXXXXXX) GENDER: XYZ AGE: XX COLLECTED: XX/XX/XXXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX TEST REF: TST-NL-XXXX

PRACTITIONER:

TEST NAME: Metabolomix+ with Fatty Acids add-on

