NutriPATH
INTEGRATIVE PATHOLOGY SERVICES

Nutri-STAT Profile

Improving Nutritional & Metabolic Health

Dr.SAMPLE REPORT
TEST HEALTH CENTRE
123 TEST STREET
BURWOOD VIC 3125

SAMPLE REPORT
01-Jan-1990 Male

16 HARKER STREET
BURWOOD VIC 3125

LAB ID: 3863843

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Interpretation at a Glance

Metabolic Summary
Cholesterol
LDL
High Sensitive CRP
LDL-Subfractions- ABNORMAL
Glucose
GGT

Endocrinology Summary
SHBG
Free Testosterone

Mineral/Metals Summary
Copper.
Arsenic
Mercury

Nutritional Guide

Nutrient	Adult Dose Range	Units	Clinician Notes
Lactobacillus	0.0	billion CFU	
Probiotics (Multistain)	20.0	billion CFU	
D-Lactate-free probiotics	0.0	billion CFU	
Vitamin-C	500.0	mg	
Vitamin-E	500.0	IU	
Vitamin-B1	20.0	mg	
Vitamin-B2	200.0	mg	
Vitamin-B3	375.0	mg	
Vitamin-B5	100.0	mg	
Vitamin-B6	150.0	mg	
Vitamin-B12	0.0	ug	
Biotin.	300.0	ug	
Folinic Acid.	400.0	ug	
Chromium .	150.0	ug	
Vanadium.	30.0	ug	
Manganese.	0.0	mg	
Magnesium .	600.0	mg	
Coenzyme Q10.	300.0	mg	
alpha Lipoic Acid.	400.0	mg	
Calcium-D-glucurate.	0.0	mg	
Acetyl-L-Carnitine.	0.0	mg	
N-Acetylcysteine.	300.0	mg	
Glutathione.	300.0	mg	
5-hydroxyTryptophan (5-HTP).	50.0	mg	
Lysine.	0.0	mg	
Aspartic Acid.	0.0	mg	
L-Arginine.	1750.0	mg	
Glycine .	1000.0	mg	
Methionine.	0.0	mg	
Ornithine.	875.0	mg	
Serine.	0.0	mg	
Taurine .	300.0	mg	
Tryptophan.	300.0	mg	

Disclaimer:

Supplement recommendations are based on the Organic Acid test results. The prescribing health practitioner must take into consideration the age, weight, sex, and pregnancy or lactation state. In addition, consider clinical state, medication regime, associated drug-nutrient depletion and allergies. The doses listed above are considered optimal, based on lab results and do not apply to specific disease conditions where doses may need to be altered. The vitamins, minerals or amino acids listed are elemental quantities. Use clinical discretion when choosing the right salt with the guidance of your compounding health professional. For example, Magnesium may be prescribed as a glycinate for its calming effect or threonate may be used for a Magnesium that crosses the blood-brain-barrier.

References:

Laboratory Evaluations for Integrative and Functional Medicine by Richard Lord. J.Alexander Bralley; Textbook of Nutritional Medicine by Alan Gaby.

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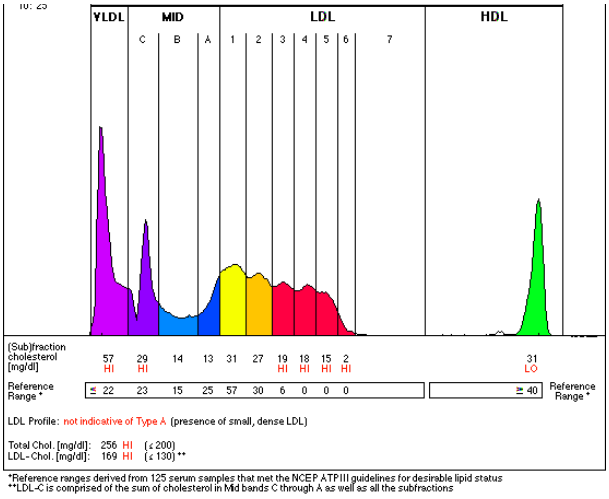
Metabolic Health

BLOOD - SERUM	Result	Range	Units
CHOLESTEROL	6.8 *H	0.0 - 5.5	mmol/L
TRIGLYCERIDES	0.8	0.0 - 2.0	mmol/L
HDL(Protective)	2.0	0.9 - 2.0	mmol/L
Non-HDL Cholesterol	4.80 *H	< 4.0	mmol/L
LDL(Atherogenic)	4.4 *H	0.0 - 3.4	mmol/L
LDL/HDL RATIO (Risk Factor)	2.2	0.0 - 3.6	
Lipoprotein (a)	50.0	0.0 - 75.0	nmol/L
Apolipoprotein B	1.18	0.70 - 1.20	g/L
Apolipoprotein A-1	1.64	1.10 - 1.80	g/L
RATIO (APO B / APO A-1)	0.72	0.45 - 1.25	
HIGH SEN CRP	5.20 *H	0.00 - 5.00	mg/L
Very Low Density Lipoprotein (VLDL)	0.8 *H	0.1 - 0.6	mmol/L
Intermediate Density Lipoprotein (IDL-1)	0.2	0.1 - 0.6	mmol/L
Intermediate Density Lipoprotein (IDL-2)	0.3	0.1 - 0.4	mmol/L
Intermediate Density Lipoprotein (IDL-3)	0.5	0.1 - 0.6	mmol/L
Low Density Lipoprotein (LDL-1)	1.38	0.10 - 1.50	mmol/L
Low Density Lipoprotein (LDL-2)	1.31 *H	0.10 - 0.80	mmol/L
Low Density Lipoprotein (LDL-3)	0.49 *H	0.00 - 0.20	mmol/L
Low Density Lipoprotein (LDL-4)	0.20 *H	0.00 - 0.01	mmol/L
Low Density Lipoprotein (LDL-5)	<dl	0.00 - 0.01	mmol/L
Low Density Lipoprotein (LDL-6)	<dl	0.00 - 0.01	mmol/L
Low Density Lipoprotein (LDL-7)	<dl	0.00 - 0.01	mmol/L
LDL Phenotype Pattern	TYPE B- ABNORMAL		
Mean Particle Size	265.0 *L	> 268.0	Angstrom
HOMOCYSTEINE	12.0	5.0 - 15.0	umol/L
FIBRINOGEN	2.8	2.0 - 4.5	g/L
GLUCOSE (FASTING)	5.7 *H	3.0 - 5.4	mmol/L



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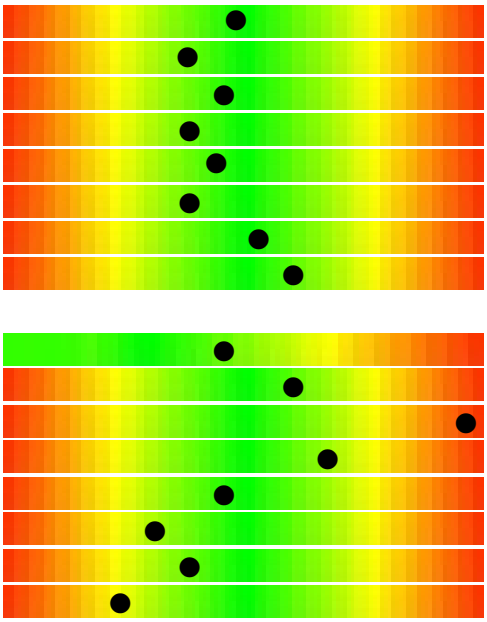
Metabolic Health

BLOOD - SERUM

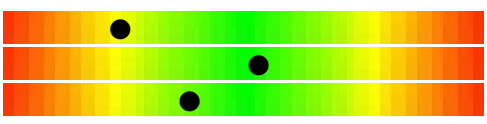
	Result	Range	Units
UEC (Renal)			
SODIUM	140	135 - 145	mmol/L
POTASSIUM	4.1	3.5 - 5.2	mmol/L
CHLORIDE	103	95 - 110	mmol/L
BICARBONATE	25	20 - 32	mmol/L
Anion Gap	20	8 - 16	mmol/L
UREA	5.0	3.5 - 8.0	mmol/L
CREATININE (mmol/L)	0.96	0.06 - 0.13	mmol/L
Creatinine	96	60 - 110	umol/L
LIVER FUNCTION TESTS			
BILIRUBIN (TOTAL)	11	0 - 20	umol/L
ALP	86	30 - 110	units/L
GGT	72 *H	5 - 50	units/L
ALT	44	10 - 50	units/L
AST	31	10 - 50	units/L
PROTEIN - TOTAL	65	60 - 80	g/L
ALBUMIN	38	33 - 48	g/L
GLOBULIN	27	26 - 39	g/L
IRON STUDIES			
IRON	12.5	5.0 - 30.0	umol/L
TRANSFERRIN	3.0	1.8 - 3.5	g/L
Transferrin Saturation	16.0	15 - 45	%
FERRITIN	140	30 - 400	ug/L



IRON STUDIES INTERPRETATION TABLE

CONDITION/SYMPTOM	IRON	TRANSFERRIN SATURATION	FERRITIN
Iron Deficiency	Decreased	Decreased	Decreased
Iron Deficiency and Acute Phase Response	Decreased	Normal or Decreased	"Normal" <100 ug/L
Acute Phase Response	Decreased	Decreased	Increased
Iron Overload	Increased	Increased	Increased

Activated Vitamin B12	59.0	37.5 - 188.0	pmol/L
SERUM FOLATE	31	6 - 45	nmol/L
25 OH VITAMIN D	110	50 - 200	nmol/L



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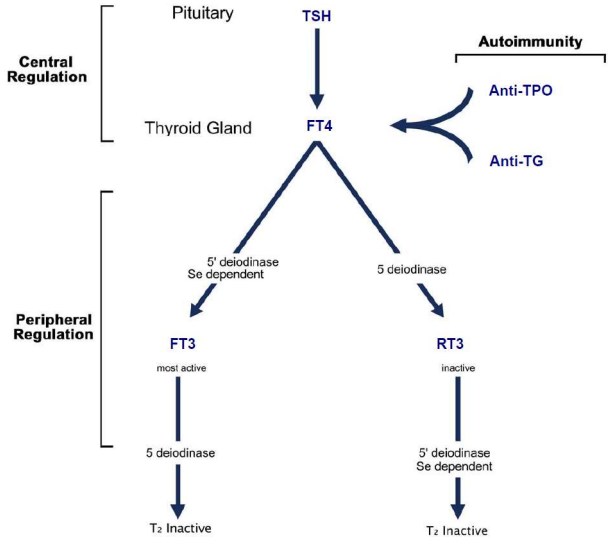
Thyroid Function Health

BLOOD - SERUM	Result	Range	Units
THYROID FUNCTION ASSESSMENT			
TSH	2.60	0.50 - 5.00	mIU/L
FREE T4	15.1	12.0 - 22.0	pmol/L
FREE T3	3.8	3.1 - 6.8	pmol/L
Reverse T3	509.0	230.0 - 540.0	pmol/L
FT3 : Reverse T3 Ratio (X 100)	*0.747* *L	1.200 - 2.200	
THYROID AUTO-Abs			
THYROID PEROXIDASE Ab.	25.0	0.0 - 35.0	IU/mL
ANTITHYROGLOBULIN Ab.	10.0	0.0 - 115	IU/mL
TSH RECEPTOR AB	1.0	0.0 - 1.8	IU/L



Hormone Health

PROGESTERONE	0.4	0.2 - 0.5	nmol/L
DHEA Sulphate	3.3	2.7 - 9.2	umol/L
TESTOSTERONE	10.9	8.6 - 29.0	nmol/L
Sex Hormone Binding Globulin	*58* *H	18 - 54	nmol/L
Calc Free Testosterone (Vermeulen)	*153.8* *L	260.0 - 740.0	pmol/L
ESTRADIOL	93		pmol/L

Hormone	Progesterone	Estradiol
Units	nmol/L	pmol/L
Follicular phase	0.159 - 0.616	114 - 332
Ovulation Phase	0.175 - 13.2	222 - 1959
Luteal phase	13.1 - 46.3	222 - 854
Post-menopause	0.159 - 0.401	18.4 - 505
Pregnant-1st Trim.	35 - 141	563 - 11902
Pregnant-2nd Trim.	80.8 - 265	5729 - 78098
Pregnant-3rd Trim.	187 - 679	31287 - 110100
Male	0.159 - 0.474	41 - 159

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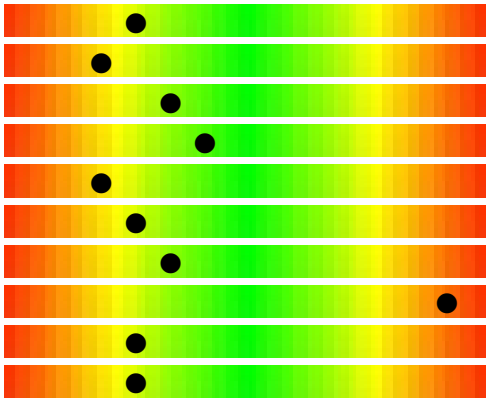
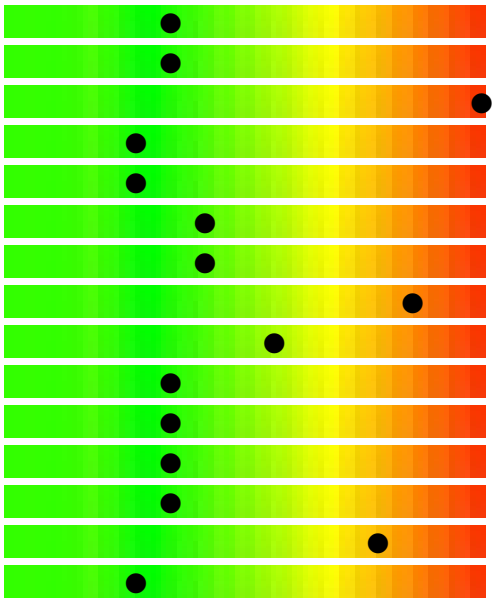
Mineral Analysis

BLOOD - Red Cell	Result	Range	Units
Chromium	1.16	1.00 - 2.00	ug/L
COBALT	0.21	0.13 - 1.70	ug/L
Iodine	49.80	15.00 - 160.00	ug/L
MANGANESE	18.7	9.0 - 33.0	ug/L
Molybdenum	0.68	0.60 - 2.00	ug/L
Selenium.	221.0	190.0 - 500.0	ug/L
Vanadium	0.19	0.10 - 0.50	ug/L
Copper.	*0.86* *H	0.52 - 0.80	mg/L
Magnesium.	40.7	39.0 - 58.0	mg/L
Zinc.	9.20	8.60 - 14.50	mg/L



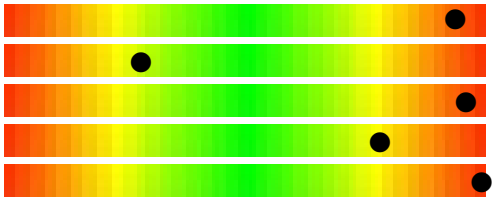
Metals Analysis

BLOOD - WHOLE			
ALUMINIUM	8.50	0.00 - 30.00	ug/L
Antimony	0.94	0.00 - 3.50	ug/L
ARSENIC	*14.80* *H	0.00 - 10.00	ug/L
BERYLLIUM	0.62	0.00 - 4.00	ug/L
Bismuth	0.18	0.00 - 1.00	ug/L
CADMIUM	0.42	0.00 - 1.10	ug/L
LEAD	29.60	0.00 - 90.00	ug/L
MERCURY	*2.19* *H	0.00 - 2.00	ug/L
NICKEL	1.21	0.00 - 2.00	ug/L
Platinum	0.10	0.00 - 0.40	ug/L
Silver	0.62	0.00 - 2.00	ug/L
Thallium	0.13	0.00 - 0.60	ug/L
Tin	0.39	0.00 - 1.30	ug/L
Uranium	0.10	0.00 - 0.10	ug/L
Zirconium	0.48	0.00 - 3.00	ug/L



CU/ZN & Free Copper Index

BLOOD - PLASMA			
COPPER	23 *H	11.0 - 22.0	umol/L
ZINC	10	9.0 - 19.0	umol/L
Copper/Zinc Ratio	2.30 *H	0.80 - 1.00	RATIO
CAERULOPLASMIN	0.29	0.15 - 0.30	g/L
% Free Copper	*40* *H	5 - 25	%



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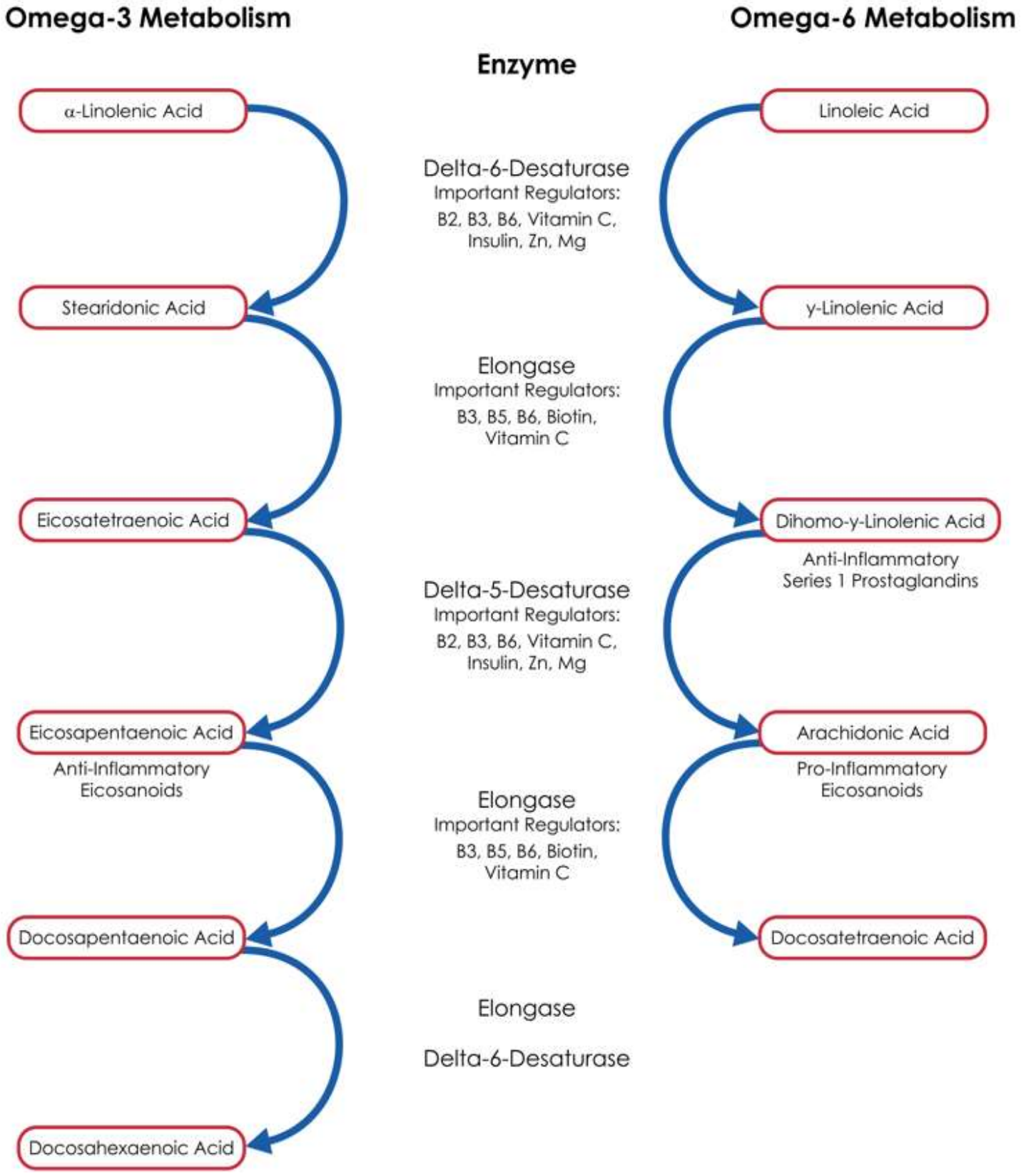

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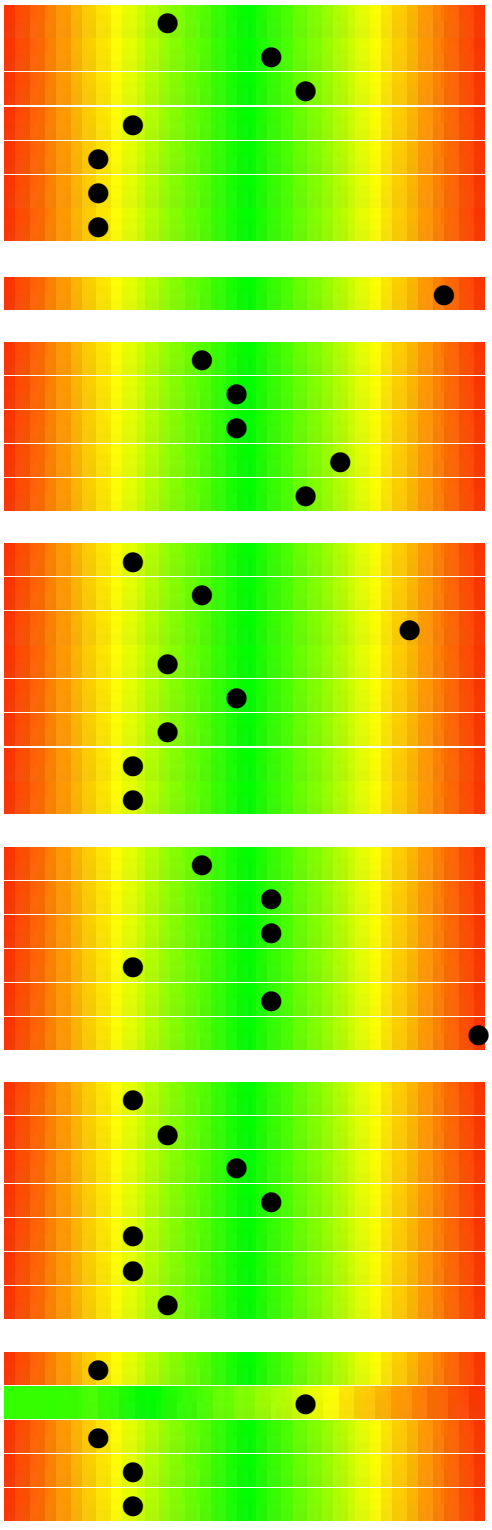
Essential Fatty Acids

BLOOD - EDTA	Result	Range	Units
RED CELL FATTY ACID PROFILE			
Red Cell Fatty Acid Summary			
Saturated Fats, Total	33.57	29.89 - 42.10	%
Monounsaturated Fats, Total	26.34	15.65 - 31.82	%
Omega 3, Total	11.64	2.57 - 15.15	%
Omega 6, Total	28.18	24.85 - 44.15	%
Omega 3/Omega 6 Ratio	0.4	0.4 - 0.5	RATIO
Omega 6/Omega 3 Ratio	2.4	1.9 - 14.6	RATIO
AA/EPA ratio	2.8	1.1 - 69.2	RATIO
OMEGA 3 INDEX	11.74		%
Delta 6 Desaturase Activity	*14.1* *H	6.0 - 12.3	RATIO
Omega 3 Fatty Acids			
alpha Linolenic Acid	0.72	0.10 - 1.90	%
Eicosapentanoic Acid	3.51	0.14 - 6.92	%
Docosapentanoic Acid	1.78	0.53 - 2.81	%
Docosahexanoic Acid	5.63	1.00 - 6.50	%
Total Omega 3 Fatty acids	11.64	2.57 - 15.15	%
Omega 6 Fatty Acids			
Linoleic Acid	15.46	14.00 - 31.30	%
gamma Linolenic Acid	0.33	0.05 - 0.72	%
Eicosadienoic Acid	*0.49* *H	0.10 - 0.43	%
Dihomo-g-linolenic Acid	1.10	0.50 - 2.50	%
Arachidonic Acid	9.79	5.00 - 14.80	%
Docosatetraenoic Acid	0.81	0.30 - 2.50	%
Docosapentaenoic Acid (n6)	0.20	0.08 - 0.83	%
Total Omega 6 Fatty Acids	28.18	24.85 - 44.15	%
Monounsaturated Fats			
Palmitoleic Acid	1.11	0.13 - 2.90	%
Oleic Acid	24.28	14.20 - 29.50	%
Gondoic Acid	0.49	0.10 - 0.77	%
Nervonic Acid	0.46	0.13 - 1.96	%
Total Monounsaturated Fats	26.34	15.65 - 31.82	%
Total Omega 9 Fatty Acids	*25.23* *H	16.00 - 20.60	%
Saturated Fatty acids			
Myristic Acid	0.38	0.10 - 2.45	%
Palmitic Acid	20.29	17.50 - 27.10	%
Stearic Acid	11.77	8.40 - 15.00	%
Arachidic Acid	0.38	0.10 - 0.53	%
Behenic Acid	0.32	0.20 - 1.59	%
Lignoceric Acid	0.43	0.20 - 1.92	%
Total Saturated Fats	33.57	29.89 - 42.10	%
Trans Fatty Acid Profile			
Trans Palmitoleic Acid	0.10	0.10 - 2.45	%
Trans Oleic Acid	0.41	0.00 - 0.51	%
Trans Linoleic Fatty Acid	0.07	0.07 - 0.92	%
Trans Fatty Acids, Total	0.58	0.30 - 2.02	%
Trans Fat Index	0.41	0.22 - 1.99	%



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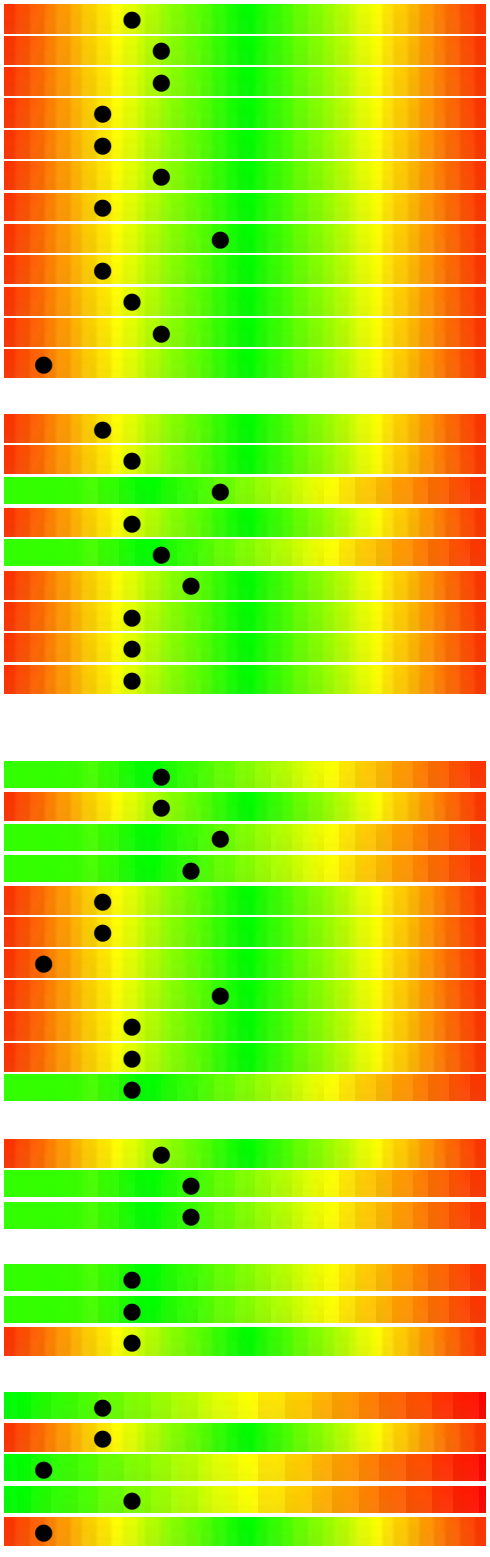
Amino Acids

BLOOD - Li HEPARI	Result	Range	Units
AMINO ACIDS, Plasma			
Essential Amino Acids			
Arginine	34.2	28.0 - 96.0	umol/L
Histidine	81.9	70.0 - 108	umol/L
Isoleucine	55.9	46.0 - 90.0	umol/L
Leucine	*68.6* *L	77.0 - 205	umol/L
Lysine	*118* *L	120 - 243	umol/L
Methionine	20.4	15.0 - 37.0	umol/L
Phenylalanine	*43.6* *L	45.0 - 74.0	umol/L
Taurine	58.1	27.0 - 95.0	umol/L
Threonine	80.9	75.0 - 180	umol/L
Tryptophane	27.1	20.0 - 65.0	umol/L
Valine	192	150 - 335	umol/L
Total Branched Chain AAs	*317* *L	424 - 557	umol/L
Non-Essential Amino Acids			
Alanine	*140* *L	146 - 494	umol/L
Asparagine	40.6	32.0 - 92.0	umol/L
Aspartate	4.2	0.0 - 9.0	umol/L
Cystine	29.5	24.0 - 54.0	umol/L
GABA	10.2	0.0 - 50.0	umol/L
Glutamic Acid	24.6	6.0 - 62.0	umol/L
Glutamine	503	466 - 798	umol/L
Proline	118	97.0 - 297	umol/L
Tyrosine	44.0	37.0 - 80.0	umol/L
Large Neutral Amino Acids (LNAA)	404.1		umol/L
Intermediary Metabolites			
alpha-Aminoadipic Acid	1.4	0.0 - 6.0	umol/L
alpha-Aminobutyric Acid	20.7	15.0 - 35.0	umol/L
beta-Aminoisobutyric Acid	5.3	0.0 - 10.0	umol/L
Cystathionine	1.0	0.0 - 3.0	umol/L
Citrulline	*16.7* *L	19.0 - 47.0	umol/L
Ornithine	*38.2* *L	48.0 - 135	umol/L
Urea.	2259	2160 - ****	umol/L
Glycine	253	100 - 384	umol/L
Serine	89.7	70.0 - 175	umol/L
Phosphoserine	3.8	2.0 - 14.0	umol/L
Sarcosine	2.9	0.0 - 19.5	umol/L
Dietary Peptide Related Markers			
1-Methyl Histidine	13.4	1.0 - 42.0	umol/L
3-Methyl Histidine	2.1	0.0 - 5.0	umol/L
beta-Alanine	4.0	0.0 - 12.0	umol/L
Anserine	13.0		umol/L
Carnosine	0.9	0.0 - 10.0	umol/L
Hydroxyproline	5.8	0.0 - 40.0	umol/L
Hydroxylysine	2.2	2.0 - 5.0	umol/L
Amino Acid Functional Ratios			
Phenylalanine/Tyrosine	0.99	< 1.10	RATIO
Glutamate/Glutamine	*0.05* *L	0.06 - 0.23	RATIO
Hydroxyproline/Proline	0.05	< 0.15	RATIO
a-Amino-n-Butyrate/Leucine	*0.30* *H	< 0.2	RATIO
Tryptophan/LNAA	*0.07* *L	0.09 - 0.10	RATIO



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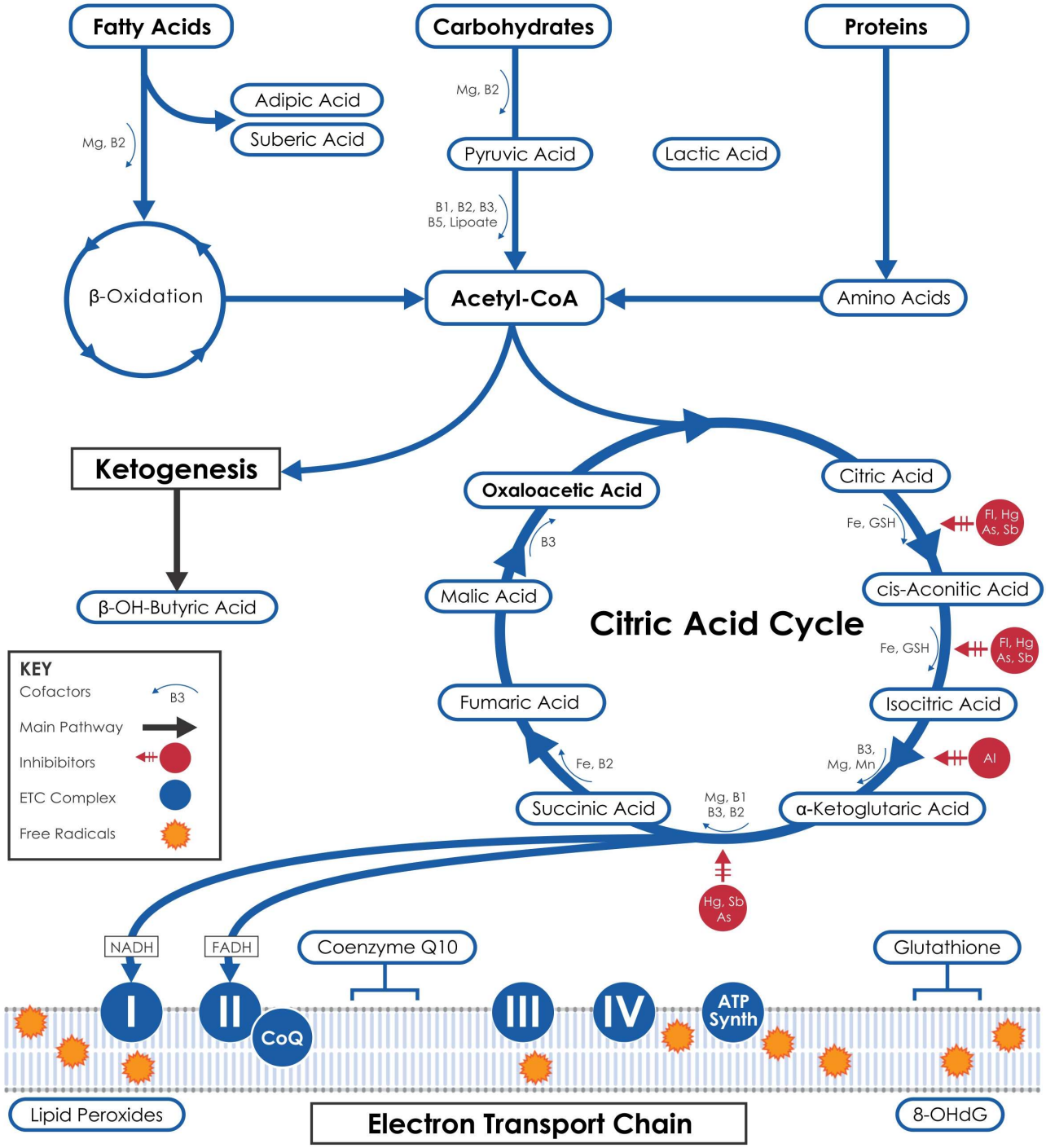
ORGANIC ACIDS METABOLOMIC MAPPING

Method: LCMS/MS/MS

Organic Acids Pathways



NutriPATH
INTEGRATIVE PATHOLOGY SERVICES
P: 1300 688 522
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SAMPLE REPORT
01-Jan-1990 Male

16 HARKER STREET
BURWOOD VIC 3125

Dr.SAMPLE REPORT
TEST HEALTH CENTRE
123 TEST STREET
BURWOOD VIC 3125

LAB ID : 3863843
UR NO. :
Collection Date : 20-Jan-2023
Received Date: 20-Jan-2023

3863843

Nutrient Markers

URINE, SPOT	Result	Range	Units
KETONE/FATTY ACID Metabolites *(Carnitine & B2)*			
1. Adipic Acid.	3.70	0.00 - 11.10	ug/mgCR
2. Suberic Acid.	1.90	0.00 - 4.60	ug/mgCR
3. Ethylmalonic Acid	2.91	0.00 - 6.30	ug/mgCR
4. Pimelic Acid	16.6	5.9 - 31.8	nmol/mg Cr
5. Methyl-Succinic Acid	10.48	3.20 - 21.10	nmol/mg Cr
CARBOHYDRATE Metabolism/Glycolysis *(B1, B3, Cr, Lipoic Acid, CoQ10)*			
6. Pyruvic Acid.	3.93	0.00 - 6.40	ug/mgCR
7. Lactic Acid.	13.07	0.00 - 16.40	ug/mgCR
8. b-OH-Butyric Acid	2.42	0.00 - 9.90	ug/mgCR
9. Glucose (OA)	0.4	0.1 - 1.1	mmol/L
CITRIC ACID CYCLE Metabolites. *(B Comp., CoQ10, Amino Acids, Mg)*			
10. Citric Acid.	200.9	56.0 - 987.0	ug/mgCR
11. cis-Aconitic Acid.	74.7	18.0 - 78.0	ug/mgCR
12. Isocitric Acid.	35.0	35.0 - 143.0	ug/mgCR
13. a-Ketoglutaric Acid.	3.42	0.00 - 35.00	ug/mgCR
14. Succinic Acid	6.67	1.10 - 20.90	ug/gCR
15. Fumaric Acid.	1.60 *H	1.10 - 1.35	ug/mgCR
16. Malic Acid.	1.30	0.00 - 3.10	ug/mgCR
17. b-OH-b-Methylglutaric Acid	1.40	0.00 - 5.10	ug/mgCR
B-Complex Vitamins & Amino Acid Markers *(B1, B2, B3, B5, B6, Biotin)*			
18. a-Ketoisovaleric Acid	0.22	0.00 - 0.49	ug/mgCR
19. a-Ketoisocaproic Acid	0.41	0.00 - 0.52	ug/mgCR
20. a-Keto-b-Methylvaleric Acid	0.47	0.00 - 1.10	ug/mgCR
21. Xanthurenic Acid	0.79 *H	0.0 - 0.5	ug/mgCR
22. beta-Hydroxyisovaleric Acid	16.96 *H	0.00 - 11.50	ug/mgCR
METHYLATION COFACTORS *(B12, Folate)*			
23. Methylmalonic Acid.	0.62	0.00 - 2.30	ug/mgCR
24. Formiminoglutamic Acid	1.2	0.0 - 2.2	ug/mgCR

Cell Regulation Markers

NEUROTRANSMITTER METABOLISM *(Tyrosine, Tryptophan, B6, Antioxidants)*			
25. Homovanillic Acid (HVA)	1.83	1.40 - 7.60	ug/mgCR
26. Vanillylmandelic Acid (VMA)	1.01 *L	1.20 - 5.30	mmol/molCr
27. 5-Hydroxyindoleacetic Acid (5HIAA)	1.30 *L	1.60 - 9.80	ug/mgCR
28. Kynurenic Acid.	1.60 *H	0.0 - 1.5	ug/mgCR
29. Quinolinic Acid (OA)	1.01	0.00 - 5.80	ug/mgCR
30. Picolinic Acid	9.6	2.8 - 13.5	ug/mgCR
31. Cortisol (OA)	125 *L	166 - 507	nmol/L
Oxidative Damage/AntiOxidant Markers			

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(Vitamin C and Other Antioxidants)

32.	ParaHydroxyphenyllactate	0.10	0.00 - 0.66	ug/mgCR
33.	8 OH-deoxyguanosine	5.0	0.0 - 7.6	ug/mgCR

Toxicants and Detoxification

DETOXIFICATION INDICATORS
(Arg, NAC, Met, Mg, Antioxidants)

34.	2-Methylhippuric Acid	0.04	0.00 - 0.19	ug/mgCR
35.	Orotic Acid.	0.46	0.00 - 1.01	ug/mgCR
36.	Glucaric Acid.	2.58	0.00 - 10.70	ug/mgCR
37.	a-OH-Butyric Acid	0.58	0.10 - 0.90	ug/mgCR
38.	Pyroglutamic Acid.	46.9	28.0 - 88.0	ug/mgCR

Compounds of Bacterial or Yeast/Fungal Origin

BACTERIAL DYSBIOSIS MARKERS.

39.	Benzoate (OA)	1.93	0.00 - 9.30	ug/mgCR
40.	Hippurate (OA)	457	0.0 - 1070	ug/mgCR
41.	Phenylacetate	0.0	0.0 - 0.2	ug/mgCR
42.	Phenylpropionate	0.0	0.0 - 0.1	ug/mgCR
43.	ParaHydroxyBenzoate	0.5	0.0 - 1.8	ug/mgCR
44.	p-HydroxyPhenylacetate	4.5	0.0 - 34.0	ug/mgCR
45.	Indoleacetic Acid	35.4	0.00 - 90.00	ug/mgCR
46.	Tricarballylate	0.21	0.00 - 1.41	ug/mgCR

L. acidophilus/General Bacteria

47.	D-Lactate	1.7	0.0 - 4.1	ug/mgCR

CLOSTRIDIAL SPECIES

48.	Dihydroxyphenylpropionic Acid	0.01	0.00 - 0.05	ug/mgCR
49.	4-Cresol	3.0	0.0 - 75.0	mmol/molCr
50.	3-OH-Proprionic Acid	60.9	0.0 - 208.0	mmol/molCr

YEAST/FUNGAL DYSBIOSIS MARKERS.

51.	Arabinitol	21.2	0.0 - 73.0	ug/mgCR
52.	Citramalic Acid	1.3	0.0 - 3.6	mmol/molCr
53.	Tartaric Acid.	0.1	0.0 - 7.0	ug/mgCR

Oxalate Metabolites

54.	Oxalic Acid	4.00	0.77 - 7.00	ug/mgCR
55.	Glyceric Acid	17.3	16.0 - 117.0	mmol/molC
56.	Glycolic Acid	47.6	6.8 - 101.0	mmol/molC

Nutritional Markers

57.	Pyridoxic Acid (Vit B6)	12.4	5.0 - 34.0	mmol/molC
58.	Pantothenic Acid (Vit B5)	2.3	2.0 - 10.0	mmol/molC
59.	Glutaric Acid (Vit B2)	*0.5* *H	0.0 - 0.4	mmol/molCr
60.	Ascorbic Acid (Vit C)	95.9	10.0 - 200	mmol/molC
61.	CoEnzyme-Q10 (CoQ10)	5.07	0.17 - 39.00	mmol/molC
62.	N-Acetylcysteine (NAC)	0.15	0.10 - 0.28	mmol/molC
63.	Biotin (Vit H)	0.20	0.19 - 2.70	mmol/molC