



# Nutri-STAT Profile

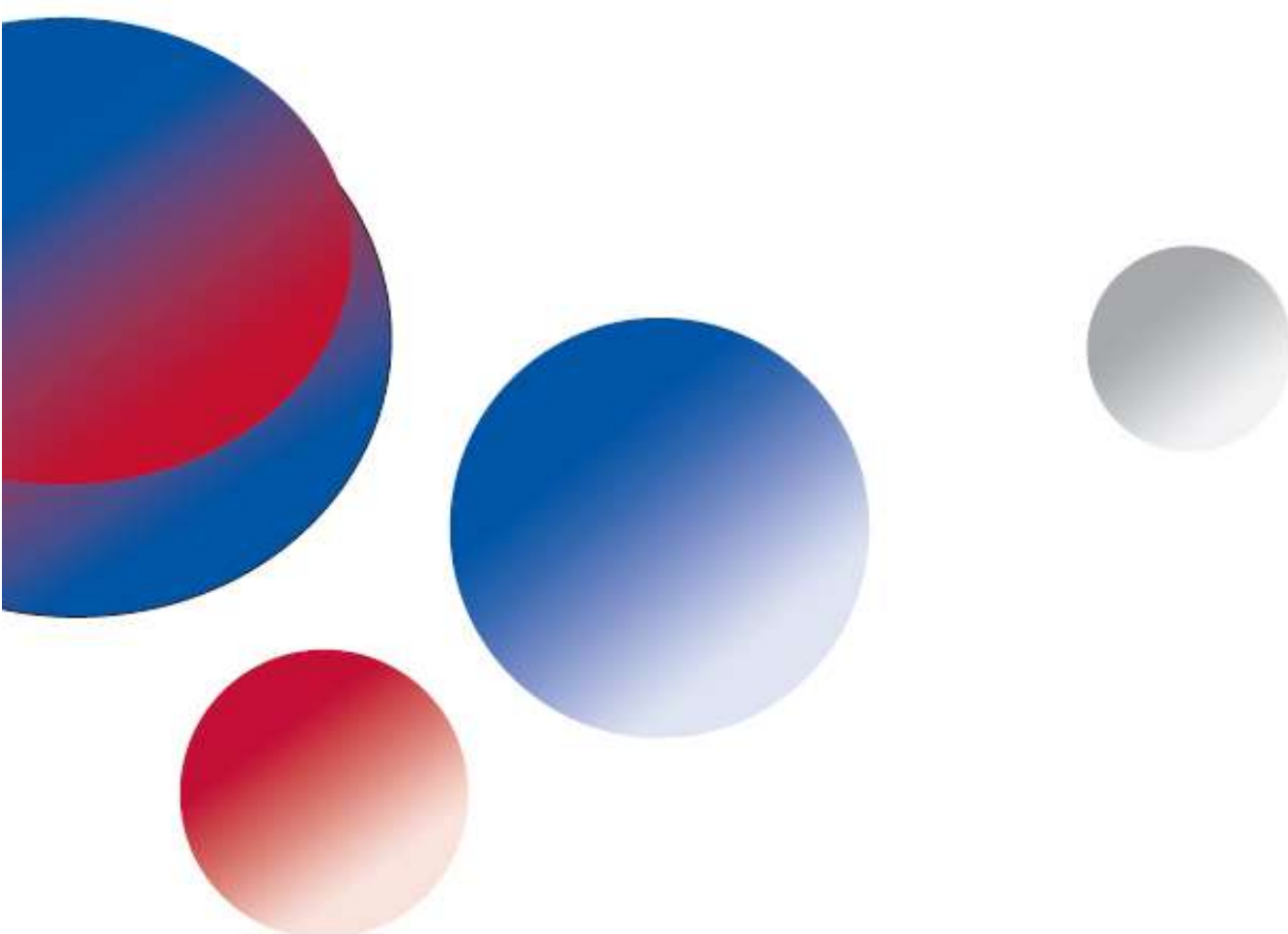
Improving Nutritional & Metabolic Health

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**





# SAMPLE REPORT

## 01-Jan-1990 Male

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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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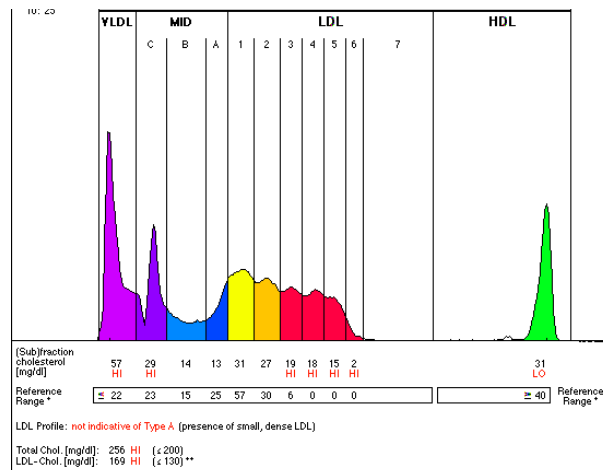
### Metabolic Health

BLOOD - SERUM

Test Name	Result	Range	Units	Visual Scale
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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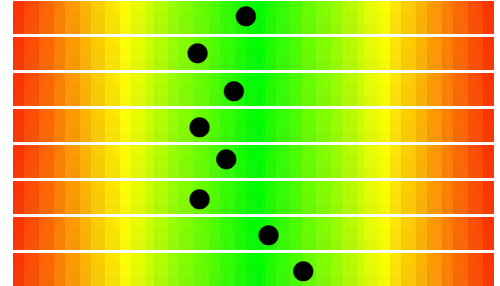
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### Metabolic Health

BLOOD - SERUM

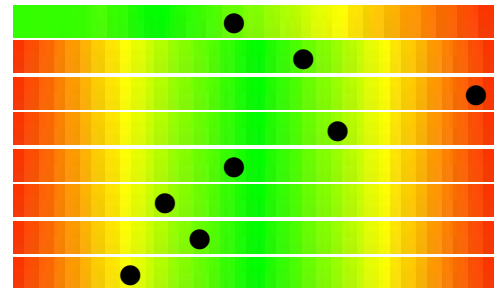
#### UEC (Renal)

	Result	Range	Units
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



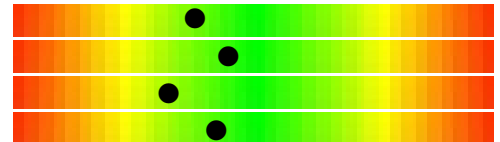
#### LIVER FUNCTION TESTS

	Result	Range	Units
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

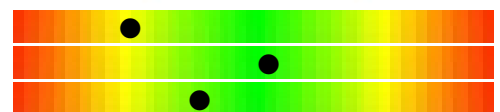
	Result	Range	Units
IRON	12.5	5.0 - 30.0	umol/L
TRANSFERRIN	3.0	1.8 - 3.5	g/L
Transferrin Saturation	16.0	15 - 45	%
FERRITIN	140	30 - 400	ug/L



#### 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

	Result	Range	Units
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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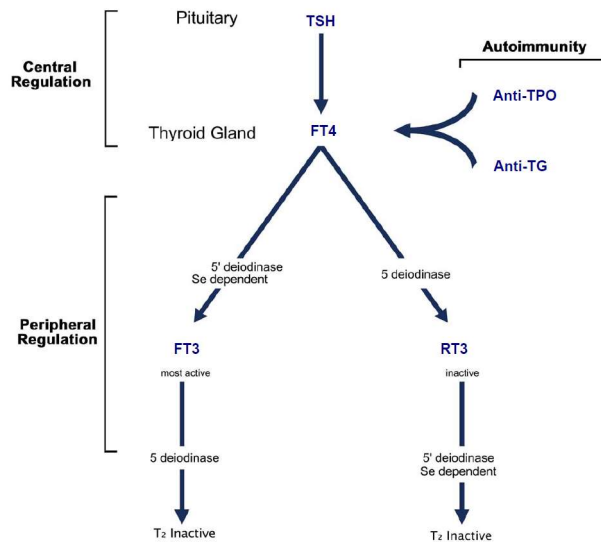
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### Thyroid Function Health






BLOOD - SERUM

#### THYROID FUNCTION ASSESSMENT

	Result	Range	Units	
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		
<b>THYROID AUTO-Abs</b>				
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	Result	Range	Units	
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	Result	Range	Units	
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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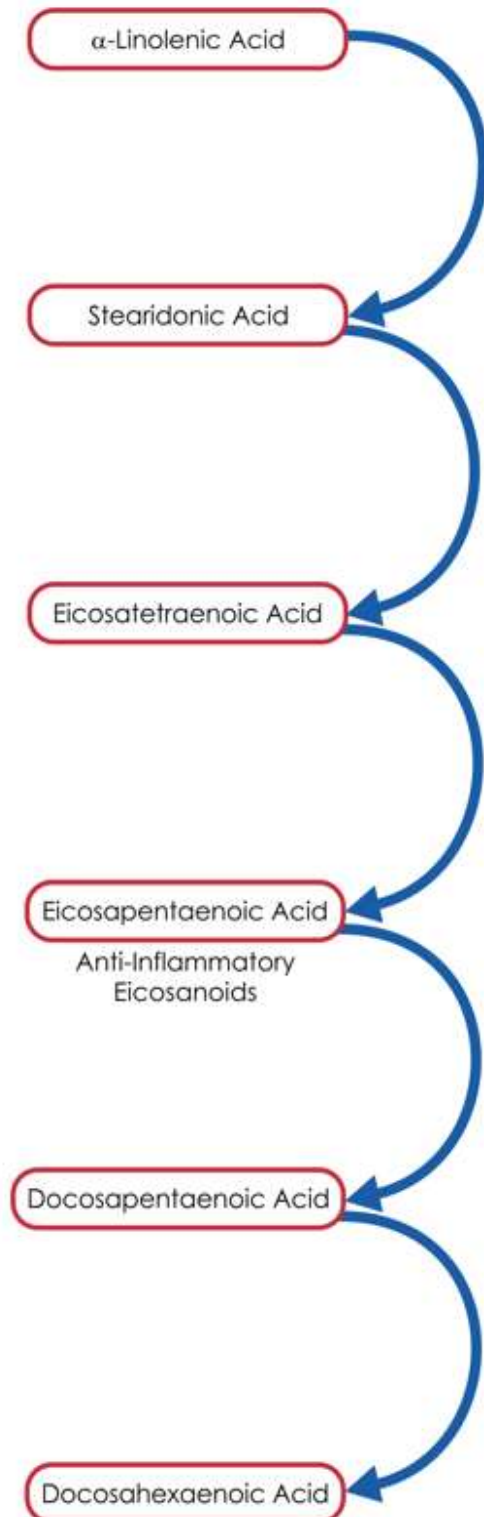
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### Omega-3 Metabolism



### Omega-6 Metabolism

#### Enzyme

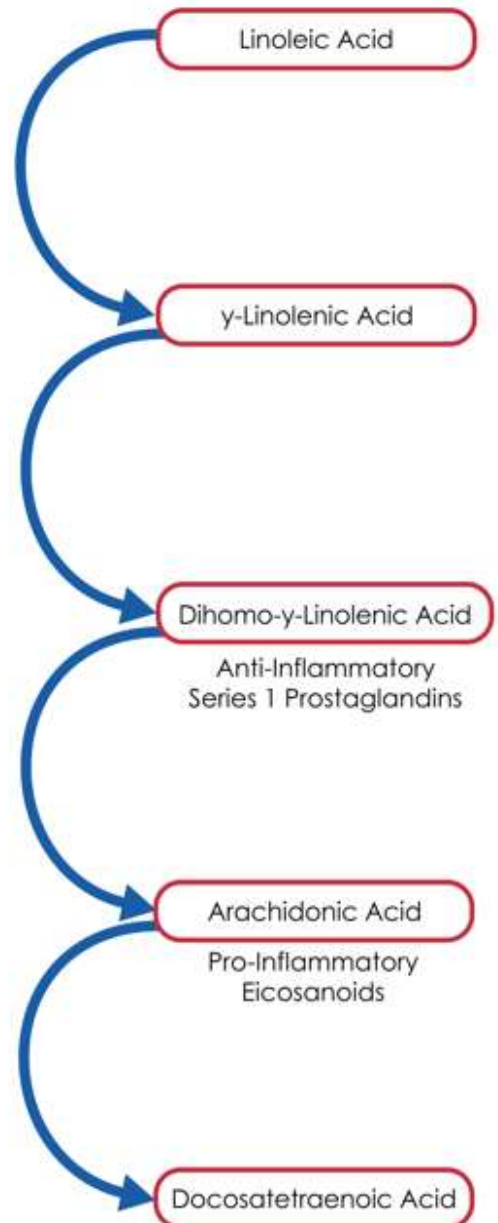
Delta-6-Desaturase  
Important Regulators:  
B2, B3, B6, Vitamin C,  
Insulin, Zn, Mg

Elongase  
Important Regulators:  
B3, B5, B6, Biotin,  
Vitamin C

Delta-5-Desaturase  
Important Regulators:  
B2, B3, B6, Vitamin C,  
Insulin, Zn, Mg

Elongase  
Important Regulators:  
B3, B5, B6, Biotin,  
Vitamin C

Elongase  
Delta-6-Desaturase



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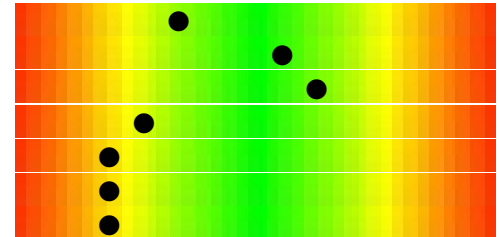
### Essential Fatty Acids

BLOOD - EDTA

#### RED CELL FATTY ACID PROFILE

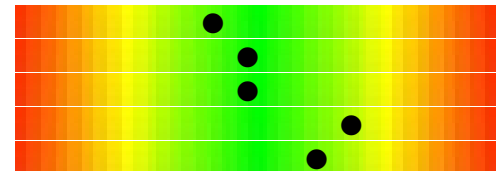
##### Red Cell Fatty Acid Summary

	Result	Range	Units
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



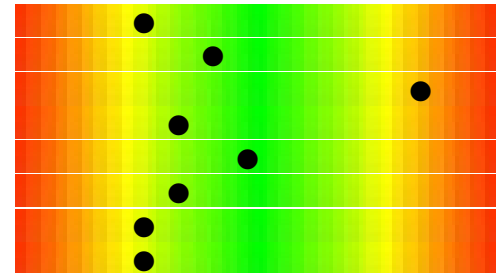
##### Omega 3 Fatty Acids

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	%



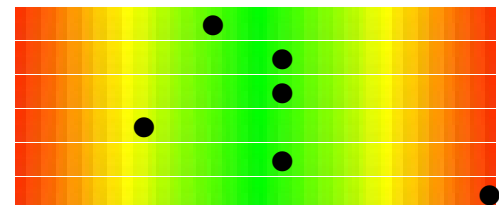
##### Omega 6 Fatty Acids

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	%



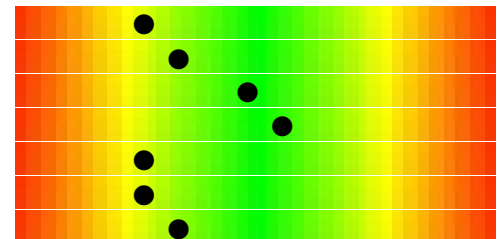
##### Monounsaturated Fats

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	%



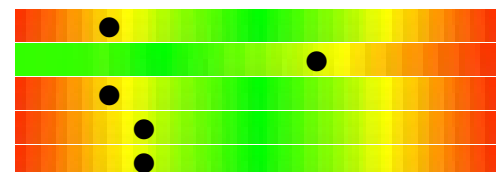
##### Saturated Fatty acids

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

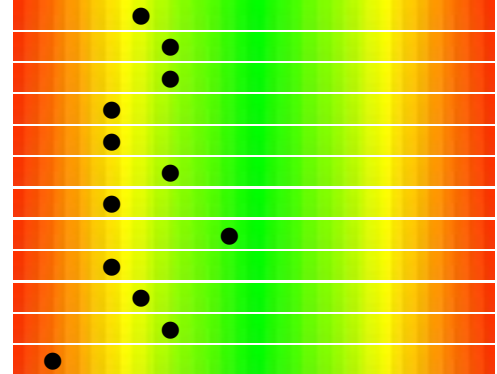
BLOOD - LI HEPARI

Result Range Units

#### AMINO ACIDS, Plasma

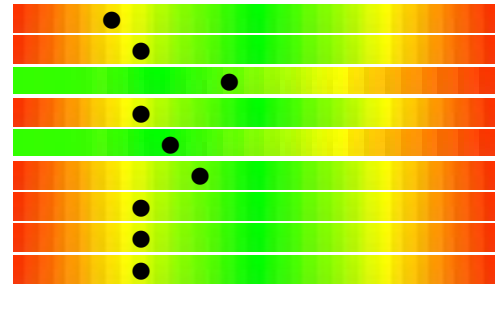
##### Essential Amino Acids

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



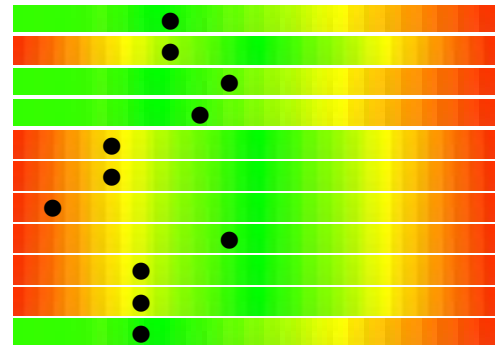
##### Non-Essential Amino Acids

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



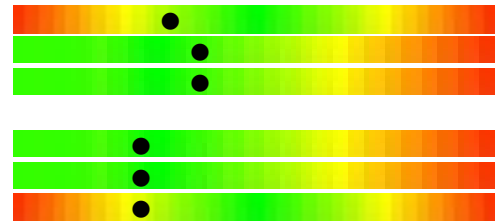
##### Intermediary Metabolites

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



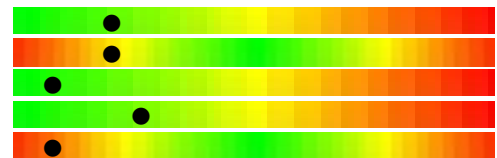
##### Dietary Peptide Related Markers

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



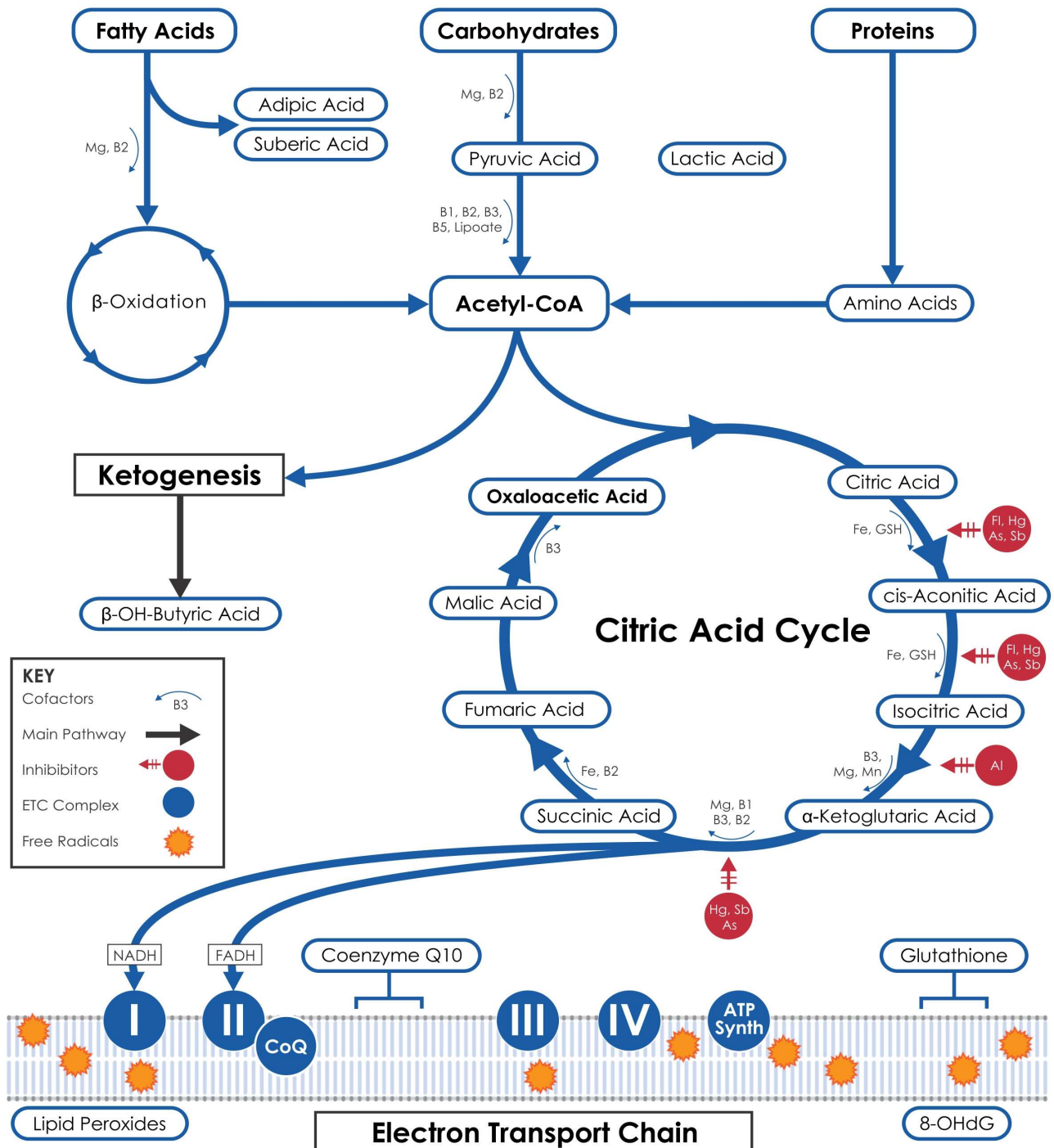


3863843

## ORGANIC ACIDS METABOLOMIC MAPPING

Method: LCMS/MS/MS

### Organic Acids Pathways



P: 1300 688 522  
E: info@nutripath.com.au

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)

ID	Name	Result	Range	Units	Visual
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)

ID	Name	Result	Range	Units	Visual
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)

ID	Name	Result	Range	Units	Visual
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)

ID	Name	Result	Range	Units	Visual
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)

ID	Name	Result	Range	Units	Visual
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)

ID	Name	Result	Range	Units	Visual
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

# SAMPLE REPORT

## 01-Jan-1990 Male

16 HARKER STREET  
BURWOOD VIC 3125

Dr. SAMPLE REPORT  
TEST HEALTH CENTRE  
123 TEST STREET  
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LAB ID : 3863843  
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3863843

*(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	
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#### 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-Propionic 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	