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TEST NUMBERT-NL-XXXXX (XXXXXXXXX)GENDER:XYZAGE:XX

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

XXXXXXXXXXXXXX

TEST NAME: Metabolomix+ with Urine Elements add-on

PA



Nordic Laboratories Aps

UK Office:

Nygade 6, 3.sal • 1164 Copenhagen K • Denmark Tlf. +45 33 75 10 00

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

PRACTITIONER:

info@nordic-labs.com

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PA

Page 2 Patient: SAMPLE PATIENT **Nutrient Need Overview Nutrient Need** Provider Suggested DRI **Recommendations Recommendations** 0 1 2 3 4 5 6 7 8 9 10 **Antioxidants** Vitamin A 2,333 IU 3,000 IU 250 mg Vitamin C 75 mg 100 IU 22 IU Vitamin E / Tocopherols 200 mg a-Lipoic Acid 30 ma CoQ10 Glutathione Plant-based Antioxidants **B-Vitamins** Thiamin - B1 1.1 mg 25 mg Riboflavin - B2 1.1 mg 25 mg Niacin - B3 20 mg 14 mg Pyridoxine - B6 1.3 ma 25 mg 200 mca Biotin - B7 30 mcg Folate - B9 400 mca 400 mcg 500 mcg Cobalamin - B12 2.4 mcg **Minerals** Magnesium 320 mg 600 mg 3.0 ma Manganese 1.8 mg 75 mcg Molybdenum 45 mcg Zinc 8 mg 10 mg **Essential Fatty Acids** 500 mg Omega-3 Fatty Acids 500 mg **GI Support** 0 IU **Digestive Support/Enzymes** 10 billion CFU Microbiome Support/Probiotics Amino Acids (mg/day) Recommendations for age and gender-specific supplementation are set by Arginine 0 Methionine 404 comparing levels of nutrient functional need to optimal levels as described in Phenylalanine 0 Asparagine 187 the peer-reviewed literature. They are provided as guidance for short-term support of nutritional deficiencies only. Serine Cysteine 108 0 Taurine 837 The Nutrient Need Overview is provided at the request of the ordering Glutamine 89 practitioner. Any application of it as a therapeutic intervention is to be Threonine 1.277 0 Glycine determined by the ordering practitioner. Histidine 671 Tryptophan 0 Isoleucine Tyrosine 35 0 Valine Leucine 0 0 494 Lysine UK Office: Nordic Laboratories Aps Page 2 of 11 Nygade 6, 3.sal • 1164 Copenhagen K • Denmark 11 Old Factory Buildings • Stonegate • E. Sussex TN5 7DU • UK www.nordic-labs.com

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PRACTITIONEE XXXXXXXXXXXXXXXX

TEST NAME: Metabolomix+ with Urine Elements add-on

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.

tissue regeneration, increased risk of infection, leukoplakia or keratosis.

Food sources include cod liver oil, fortified cereals & milk, eggs, sweet potato,

Alpha-tocopherol (body's main form of vitamin E) functions as an antioxidant,

Deficiency may occur with malabsorption, cholestyramine, colestipol. isoniazid.

orlistat, olestra and certain anti-convulsants (e.g., phenobarbital, phenytoin).

Food sources include oils (olive, soy, corn, canola, safflower, sunflower), eggs,

contained in cell membranes. CoQ10 is also essential for energy production &

CoQ10 deficiency may occur with HMG-CoA reductase inhibitors (statins),

Low levels may aggravate oxidative stress, diabetes, cancer, congestive heart

Main food sources include meat, poultry, fish, soybean, canola oil, nuts and

whole grains. Moderate sources include fruits, vegetables, eggs and dairy.

several anti-diabetic medication classes (biguanides, sulfonylureas) or

failure, cardiac arrhythmias, gingivitis and neurologic diseases

Deficiency may result in peripheral neuropathy, ataxia, muscle weakness retinopathy, and increased risk of CVD, prostate cancer and cataracts

CoQ10 is a powerful antioxidant that is synthesized in the body and

regulates cell signaling, influences immune function and

pumpkin, carrot, cantaloupe, mango, spinach, broccoli, kale & butternut squash

Deficiency may result in night blindness, impaired immunity, healing &

Patient: SAMPLE PATIENT

Vitamin E / Tocopherols

inhibits coagulation

CoQ10

pH regulation.

beta-blockers

Plant-based Antioxidants

Page 3

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Interpretation At-A-Glance

Antioxidant Needs

Vitamin C



- 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



- 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
- 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.).

Cause of Deficiency

Function of Nutrient

KEY

Complications of Deficiency



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TEST NUMBER: T-NL-XXXXX (XXXXXXXXXX) **GENDER** XYZ AGE: XX

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

PRACTITIONEE XXXXXXXXXXXXXXXX

TEST NAME: Metabolomix+ with Urine Elements add-on

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 methylation, nucleic acids & amino acid metabolism and RBC production fatty acid & cholesterol synthesis, cell signaling, DNA repair & cell 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

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PRACTITIONER:

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TEST NAME: Metabolomix+ with Urine Elements add-on

Patient: SAMPLE PATIENT

Interpretation At-A-Glance

Mineral Needs

Manganese



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- Magnesium is involved in >300 metabolic reactions. Key areas include energy production, bone & ATP formation, muscle & nerve conduction and cell signaling.
- Deficiency may occur with malabsorption, alcoholism, hyperparathyroidism, renal disorders (wasting), diabetes, diuretics, digoxin or high doses of zinc.
- Low Mg may result in muscle weakness/spasm, constipation, depression, hypertension, arrhythmias, hypocalcemia, hypokalemia or personality changes.
- Food sources include dark leafy greens, oatmeal, buckwheat, unpolished grains, chocolate, milk, nuts & seeds, lima beans and molasses.

Molybdenum

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 Molybdenum is a cofactor for enzymes that convert sulfites to sulfate, and nucleotides to uric acid, and that help metabolize aldehydes & other toxins

- Low Mo levels may result from long-term TPN that does not include Mo.
- Mo deficiency may result in increased sulfite, decreased plasma uric acid (and antioxidant function), deficient sulfate, impaired sulfation (detoxification), neurologic disorders or brain damage (if severe deficiency).
- Food sources include buckwheat, beans, grains, nuts, beans, lentils, meats and vegetables (although Mo content of plants depends on soil content).

- Manganese plays an important role in antioxidant function, gluconeogenesis, the urea cycle, cartilage & bone formation, energy production and digestion.
- Impaired absorption of Mn may occur with excess intake of Fe, Ca, Cu, folic acid, or phosphorous compounds, or use of long-term TPN, Mg-containing antacids or laxatives.
- Deficiency may result in impaired bone/connective tissue growth, glucose & lipid dysregulation, infertility, oxidative stress, inflammation or hyperammonemia
- Food sources include whole grains, legumes, dried fruits, nuts, dark green leafy vegetables, liver, kidney and tea.

Zinc

(\diamond)

- Zinc plays a vital role in immunity, protein metabolism, heme synthesis, growth & development, reproduction, digestion and antioxidant function
- Low levels may occur with malabsorption, alcoholism, chronic diarrhea, diabetes, excess Cu or Fe, diuretics, ACE inhibitors, H2 blockers or digoxin.
- Deficiency can result in hair loss and skin rashes, also impairments in growth & healing, immunity, sexual function, taste & smell and digestion.
- Food sources include oysters, organ meats, soybean, wheat germ, seeds, 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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TEST NUMBERT-NL-XXXX (XXXXXXXXX)GENDER:XYZAGE:XX

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

PRACTITIONER:

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TEST NAME: Metabolomix+ with Urine Elements add-on

PA



Interpretation At-A-Glance

Microbiome & Digestive Support

Microbiome Support/Probiotics

- Probiotics have many functions. These include: production of some B vitamins and vitamin K; enhance digestion & absorption; decrease severity of diarrheal illness; modulate of immune function & intestinal permeability.
- Alterations of gastrointestinal microflora may result from C-section delivery, antibiotic use, improved sanitation, decreased consumption of fermented foods and use of certain drugs.
- Some of the diseases associated with microflora imbalances include: IBS, IBD, fibromyalgia, chronic fatigue syndrome, obesity, atopic illness, colic and cancer.
- Food sources rich in probiotics are yogurt, kefir and fermented foods.

Pancreatic enzymes are secreted by the exocrine glands of the pancreas and include protease/peptidase, lipase and amylase.

Digestive Support/Enzymes

- Pancreatic exocrine insufficiency may be primary or secondary in nature. Any indication of insufficiency warrants further evaluation for underlying cause (i.e., celiac disease, small intestine villous atrophy, small bowel bacterial overgrowth).
- A high functional need for digestive enzymes suggests that there is an impairment related to digestive capacity.
- Determining the strength of the pancreatic enzyme support depends on the degree of functional impairment. Supplement potency is based on the lipase units present in both prescriptive and non-prescriptive agents.

Functional Imbalances

Mitochondrial Dysfunction Need for Methylation 0 0 Mitochondria are a primary site of generation of reactive oxygen species. Methylation is an enzymatic process that is critical for both synthesis and Oxidative damage is considered an important factor in decline of physiologic inactivation. DNA, estrogen and neurotransmitter metabolism are all dependent function that occurs with aging and stress on appropriate methylation activity Mitochondrial defects have been identified in cardiovascular disease, fatigue B vitamins and other nutrients (methionine, magnesium, selenium) functionally syndromes, neurologic disorders such as Parkinson's and Alzheimer's disease, support catechol-O-methyltransferase (COMT), the enzyme responsible for as well as a variety of genetic conditions. Common nutritional deficiencies can methylation impair mitochondrial efficiency **Toxic Exposure** 0 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. **KEY** Function of Nutrient Cause of Deficiency Complications of Deficiency Food Sources of Nutrient UK Office: Nordic Laboratories Aps Page 6 of 11 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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TEST REF: TST-NL-XXXX

PRACTITIONER:

TEST NAME: Metabolomix+ with Urine Elements add-on

		Organi	c Acids		
Malabsorption & Dysbio	sis Markers	organi	Vitamin Markers	3	
Malabsorption Markers		Reference Range	Branched-Chain	Catabolites (B1, B2, B3, ALA)	Refere Range
0.	6			0.4	j
	0.04	<= 4.2	α-κετοασιρις Αςια	0.24	<= 1.
Phenylacetic Acid		<= 0.12	α-Ketoisovaleric Acid	0.87	<= 0.
			α-Ketoisocaproic Acid	0.4	<= 0.
Dihydroxyphenylpropionic		<= 5.3	α-Keto-β-Methylvaleric Acid	0.43	<= 2.
3-Hydroxyphenylacetic		<= 8.1	Glutaric Acid		<= 0.
4-Hydroxyphenylacetic		<= 29	Isovalerylglycine		<= 3.
Benzoic Acid	0.05	<= 0.05	Methylation Mark	ers (Folate, B12)	
Hippuric Acid		<= 603	Formiminoglutamic Acid	0.7	<= 1.
Yeast / Fungal Dysbiosis N	larkers		Methylmalonic Acid	0.5	<= 1.
D-Arabinitol	16	<= 36	Biotin Markers		
Citramalic Acid		<= 5.8	3 Hydroxypropionic Acid	16	5-22
Tattaria Asid		- 15	3-Hydroxypropionic Acid	2	J-22
		<= 15	3-Hydroxylsovaleric Acid		<= 2:
Cellular Energy & Mitocl	nondrial Markers		Neurotransmitte	er Metabolites	
Fatty Acid Metabolism		Reference Range	Kynurenine Mark	ers (Vitamin B6)	Refere Range
Adipic Acid	1.9	<= 2.8	Kynurenic Acid	0.3	<= 7.
0. Suberic Acid	3	<= 2.1	Quinolinic Acid	0.3	<= 9
Carbohydrate Metabolism			Kynurenic / Quinolinic	1.00	>= 0
1()	7.00	Ratio	0.28	<- 0
Pyruvic Acid 3.2		7-32	Catecholamine M	arkers	<= 0.
Lactic Acid	0.60	1.9-19.8		1.6	
a-Hydroxybutyric Acid	5	<= 0.83	Homovanillic Acid	14	1.2-5
β-OH-Butyric Acid		<= 2.8	Vanilmandelic Acid	0.15	0.4-3
β-OH-β-Methylglutaric		<= 15	3-Methyl-4-OH- phenylglycol	◆ ····	0.02-
Energy Metabolism			Serotonin Marker	'S	
Citric Acid 94		40-520	5-OH-indoleacetic Acid	4.5 ◆	3.8-1
cis-Aconitic Acid		10-36	Toxin & Detoxif	ication Markers	Refere Range
Isocitric Acid	44	22-65	Pyroglutamic Acid	26	16-34
α-Ketoglutaric Acid		4-52	α-Ketophenvlacetic Acid	0.38	~- 0
0.5 Succinic Acid		0.4-4.6	(from Styrene)	0.5	<= 0.
Malic Acid	2.1	<= 3.0	(from MTBE)	0.36	<= 6.
		3.0	Orotic Acid		0.33-
			Organic Acid Poference P	Pangos aro Ago Spocific	

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TEST REF: TST-NL-XXXX

PRACTITIONER:

TEST NAME: Metabolomix+ with Urine Elements add-on

PA'

		Amino A	cids (FMV)		
Nutritionally	Essential Amino Acids		Intermediary Me	etabolites	
Amino Acid		Reference	B-Vitamin Marker	rs	Reference
Arginine	19 ◆	3-43	α-Aminoadipic Acid	19	2-47
listidine	163 ♠	124-894	α-Amino-N-butvric Acid	15	2-25
soleucine	19	3-28	B-Aminoisobutyric Acid	16	11-160
	26	4 46		15	2.68
veine	29	4-40		ers	2-00
ysine	3	11-175		1.3	
lethionine	23	2-18	Citrulline	15	0.6-3.9
henylalanine	31	8-71	Ornithine	◆ · · · · · · · · · · · · · · · · · · ·	2-21
aurine		21-424	Urea +	357	168-465
hreonine	09	17-135	Glycine/Serine M	etabolites	minol/g creatinin
ryptophan	19	5-53	Chusino	138	05 692
aline	33	7-49	Giycine	69	90-000
Nonessentia	Protein Amino Acids		Serine	73	40-163
Amino Acid		Reference Range	Ethanolamine	4	50-235
lanine	63 ♠	63-356	Phosphoethanolamine	€	1-13
sparagine	40	25-166	Phosphoserine		3 -13
	13	14	Sarcosine	•	<= 1.1
	16	0.74	Dietary Peptide	Related Markers	Referenc Range
ysteine	↓ 19	8-74	Anserine (dipeptide)	18.8	0.4-105
Cystine	3	10-104	Carnosine (dipeptide)	15	1-28
Aminobutyric Acid	▲ 15	<= 5	1-Methylbistidine	45	38-988
Blutamic Acid	199	4-27	2 Mathadhiatidia a	50	44.004
Blutamine	•	110-632	3-Methylnistidine	15	44-281
roline	6 •	1-13	β-Alanine		> <= 22
yrosine	30	11-135			
Creatinine Co	oncentration	Reference Range			
	7.4				
roatinina	7.1	2 1 10 5			

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PRACTITIONER:

Page 13

TEST NAME: Metabolomix+ with Urine Elements add-on

Patient: SAMPLE PATIENT

3204 Add - on Comprehensive Urine Elements - FMV Urine *Methodology: ICP-MS and Alkaline Picrate*

		Elementa	I Markers		
Toxic Ele	ments		Nutrient El	ements	
Element		Reference Range	Element		Reference Range
	Results in ug/g creatinine			Results in ug/g creatinine	-
Lead		<= 1.4	Chromium	2.5	0.6-9.4
Moreup	0.50	c= 2 10	Cobalt	2.50	0.01.2.60
Mercury	2.5	<= 2.1 3	Cobait	5.0	0.01-2.00
Aluminum	•	<= 22.3	Copper		4.0-11.4
Antimony	0.025	<= 0.149	Iron		5-64
Areania	1	- 50	l ithiu ma	25	0.420
Arsenic	• 0.5	<= 50	Litrium	0.25	9-129
Barium	 ◆ 	<= 6.7	Manganese		0.03-1.16
Bismuth	0.75	<= 2.28	Molybdenum	25	15-175
	0.25			180	
Cadmium	◆ 1	<= 0.64	Selenium		32-333
Cesium	2.5	<= 10.5	Strontium		47-346
Gadolinium	0.010	<= 0.019	Vanadium	2.5	0 1-3 2
Carolinan	0.003	0.010	, and a difference of the second s	250	0.1 0.2
Gallium	•	<= 0.028	Zinc		63-688
Nickel	2.50 ◆	<= 3.88		Beculto in mala creatining	
Nichium	0.040	~- 0.094		40	
Niobiam	0.015	<= 0.004	Calcium		37-313
Platinum		<= 0.033	Magnesium		41-267
Rubidium	3 ◆	<= 2,263	Potossium	2,550	750 4 653
Thelling	0.050		Fotassium	390	739-4,033
nailium	2 500	<= 0.298	Sulfur		367-1,328
Thorium	→ 1	<= 4.189	Creatinine	Concentration	Reference
Tin	0.10	<= 2.04	oreatimite		Range
- .	0.025		Creatinine +	100.00	23.00-205.00
Tungsten	• 0.010	<= 0.211			mmol/L
Uranium		<= 0.026			

The performance characteristics of all assays have been verified by Genova Diagnostics, Inc. Unless otherwise noted with •, the assays have not been cleared by the U.S. Food and Drug Administration.

Nordic Laboratories Aps

UK Office:

Nygade 6, 3.sal • 1164 Copenhagen K • Denmark Tlf. +45 33 75 10 00 11 Old Factory Buildings • Stonegate • E. Sussex TN5 7DU • UK Tel: +44 (0)1580 201 687 Page 11 of 11 www.nordic-labs.com info@nordic-labs.com