

	v	V١	$\mathbf{v}$	vv	vv	vv	'νν	$^{\prime} \mathbf{V} \mathbf{V}$	$\mathbf{v}\mathbf{v}\mathbf{v}\mathbf{v}$	/
TIENT:	~	^/	$\mathbf{\Lambda}$	$\mathbf{v}\mathbf{v}$	ΛΛ	$\Lambda\Lambda$	$\Lambda \Lambda$	$\mathbf{\Lambda}$	(XX)	Λ.

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

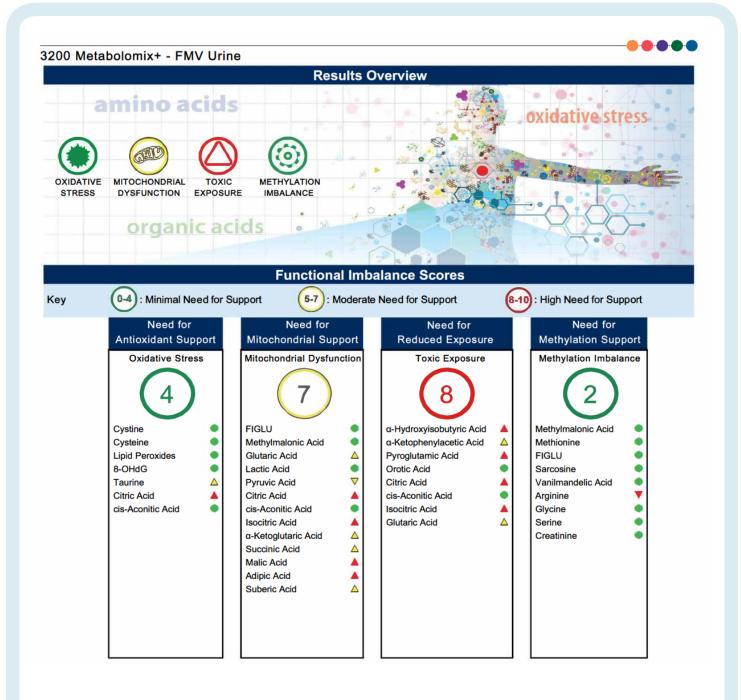
PA

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+**



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

COLLECTE: XX/XX/XXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX TEST REF: TST-NL-XXXX

PRACTITIONER:

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### **TEST NAME: Metabolomix+**

		W		
	Nutrient Need Overvie Nutrient Need		Suggested	Provider
	0 1 2 3 4 5 6 7 8 9 10	DRI	Recommendations Reco	ommendation
Antioxidants				
Vitamin A	•	2,333 IU	3,000 IU	
Vitamin C	•	75 mg	250 mg	
Vitamin E / Tocopherols	•	22 IU	100 IU	
α-Lipoic Acid			100 mg	
CoQ10	• •		60 mg	
Glutathione	• • •			
Plant-based Antioxidants	•			
B-Vitamins				
Thiamin - B1	← → → → → → → → → → → → → → → → → → → →	1.1 mg	25 mg	
Riboflavin - B2		1.1 mg	50 mg	
Niacin - B3		14 mg	50 mg	
Pyridoxine - B6	+	1.5 mg	25 mg	
Biotin - B7	•	30 mcg	400 mcg	
Folic Acid - B9		400 mcg	400 mcg	
Cobalamin - B12	•	2.4 mcg	100 mcg	
Minerals				
Magnesium		320 mg	800 mg	
Manganese		1.8 mg	3.0 mg	
Molybdenum		45 mcg	75 mcg 10 mg	
Zinc		8 mg		
GI Support				
Digestive Support/Enzymes	•			
Microbiome Support/Probiotics	-		(10 billion CFU)	
Amino Acids (mg/day)				
Arginine (1,314)			ge and gender-specific supplementati	-
Asparagine 0	Phenylalanine 0 the peer	r-reviewed literat	tient functional need to optimal levels a ture. They are provided as guidance for	
Cysteine 0	Serine 0 support	of nutritional de	ficiencies only.	
Glutamine 89	practitio		view is provided at the request of the tion of it as a therapeutic intervention	
Glycine 0	Threonine 0 determine	ned by the order		
	Tryptophan 0			
	Tyrosine 0 Valine 0			
Leucine 0 Lysine 74				
pratories Aps	UK Office:			



ATTIENT: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
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TEST NUMBER: T-NL-XXXXX (XXXXXXXXX) GENDER: XYZ AGE: XX

PA

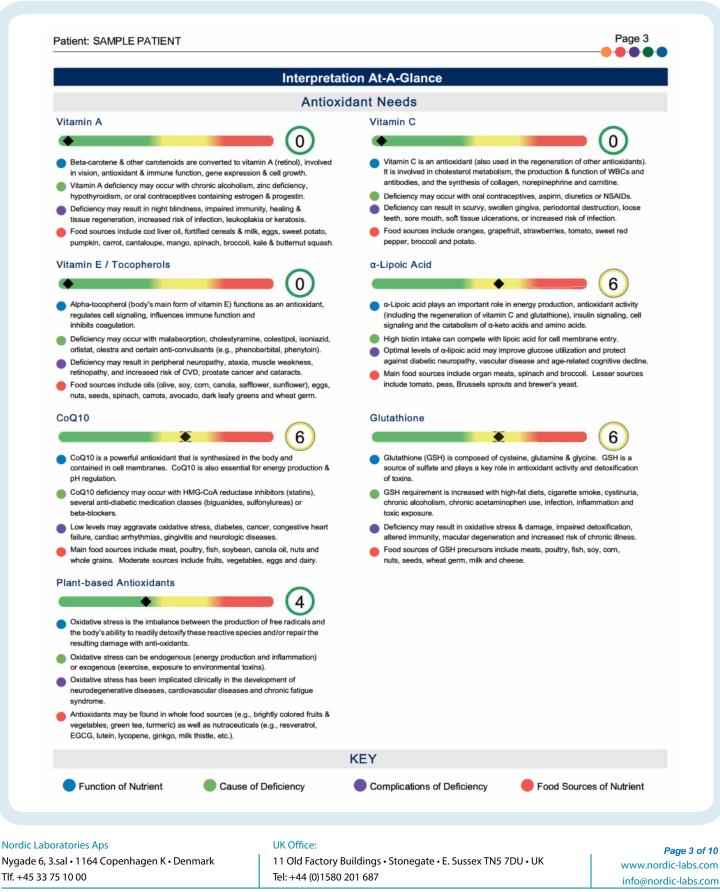
COLLECTED: XX/XX/XXXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX

### TEST REF: TST-NL-XXXX

PRACTITIONER:

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### **TEST NAME: Metabolomix+**





	v	V١	$\mathbf{v}$	vv	vv	vv	'νν	$^{\prime} \mathbf{V} \mathbf{V}$	$\mathbf{v}\mathbf{v}\mathbf{v}\mathbf{v}$	/
TIENT:	~	^/	$\mathbf{\Lambda}$	$\mathbf{v}\mathbf{v}$	ΛΛ	$\Lambda\Lambda$	$\Lambda \Lambda$	$\mathbf{\Lambda}$	(XX)	Λ.

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

PA

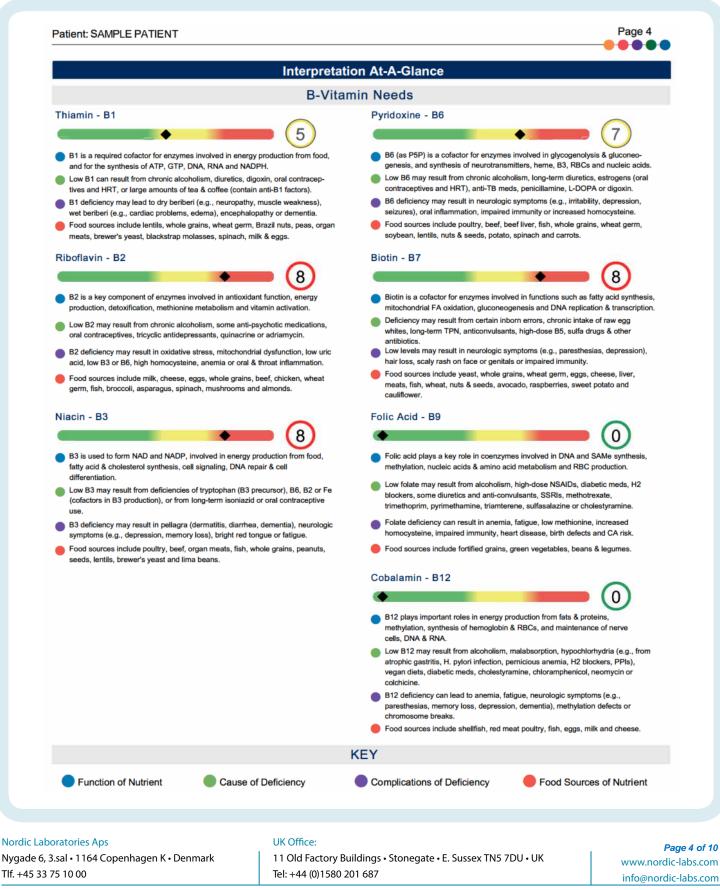
COLLECTED: XX/XX/XXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX

#### TEST REF: TST-NL-XXXX

PRACTITIONER:

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#### **TEST NAME: Metabolomix+**





ATIENT: X	(X)	(XX)	XXXX	XXXX	XXXX
				~~~~	~~~~

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

PA

COLLECTED: XX/XX/XXXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX

### TEST REF: TST-NL-XXXX

PRACTITIONER:

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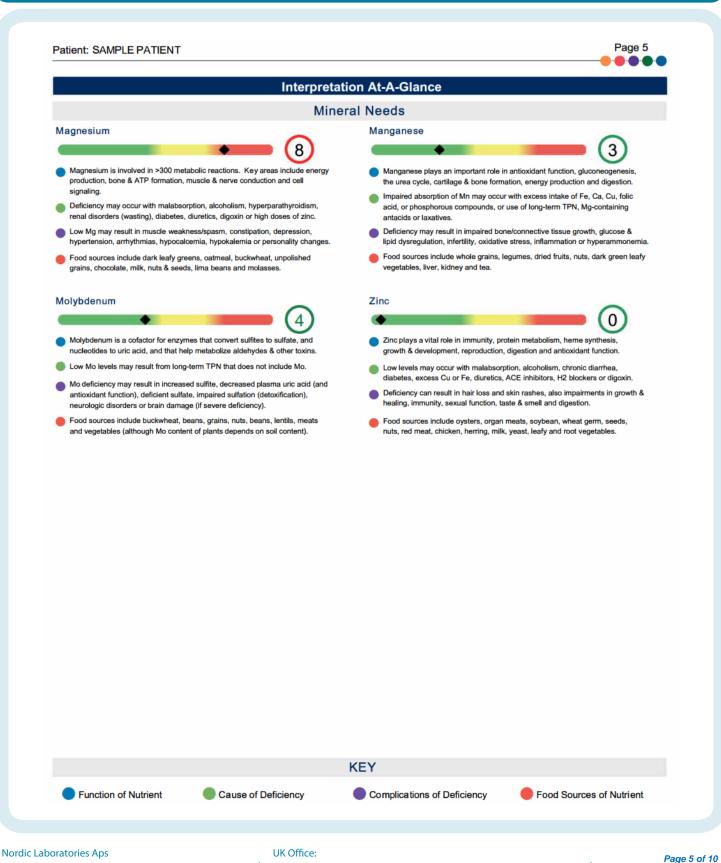
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# **TEST NAME: Metabolomix+**

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TIENT:	X	XX	XX)	XX)	(X)	XXX	XX	XXX	

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

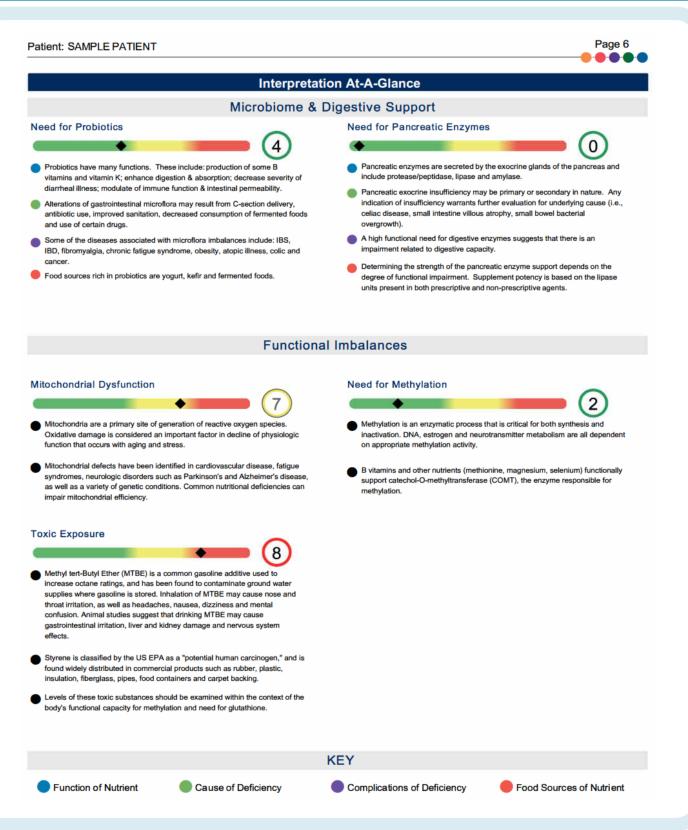
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COLLECTED: XX/XX/XXXX **RECEIVED:** XX/XX/XXXX TESTED: XX/XX/XXXX

TEST REF: TST-NL-XXXX

PRACTITIONER XXXXXXXXXXXXXXXX

## **TEST NAME: Metabolomix+**



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TIENT:	X	X)	X	X)	X)	()	X	X)	XΧ	$\mathbf{X}$	ΧХ	XX	(
													-

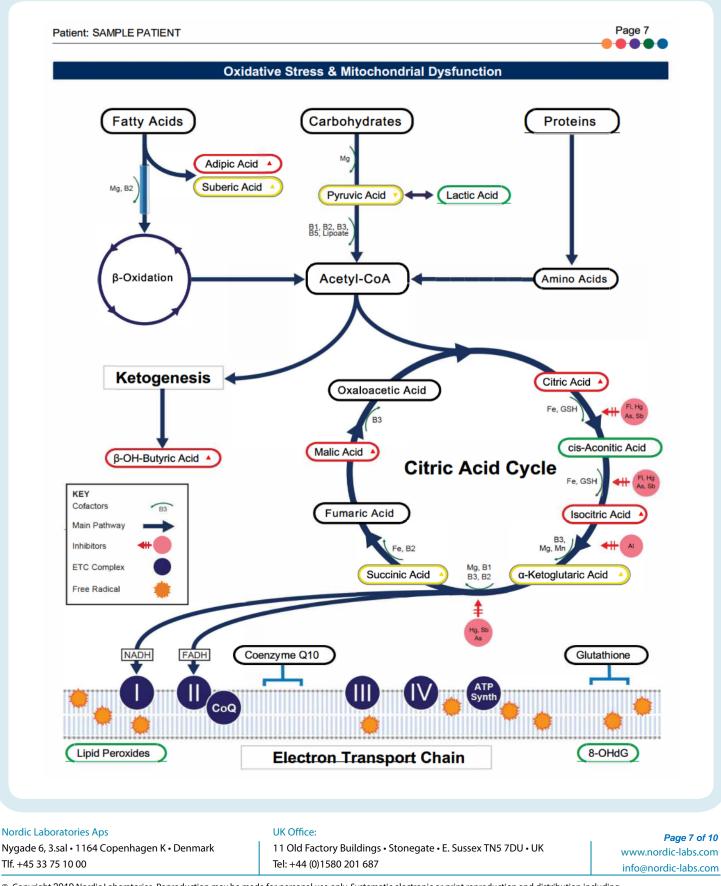
TEST NUMBERT-NL-XXXX (XXXXXXXXX)GENDER:XYZAGE:XX

PAT

COLLECTED: XX/XX/XXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX

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### **TEST NAME: Metabolomix+**





PATIENT:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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

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

PRACTITIONER XXXXXXXXXXXXXXX

### **TEST NAME: Metabolomix+**

Patient: SAMPLE PATIENT All biomarkers reported in mmol/mol crea	tinine unless otherwise noted.		Page 8
		c Acids	
Malabsorption & Dysbios		Vitamin Markers	
Malabsorption Markers	Reference Range	Branch-Chain Catabolites (B1, B2, B3, ALA	) Reference Range
Indoleacetic Acid	1.9	α-Ketoadipic Acid	<= 1.7
Phenylacetic Acid	0.09	α-Ketoisovaleric Acid	<= 0.97
Dysbiosis Markers		α-Ketoisocaproic Acid	<= 0.89
Dihydroxyphenylpropionic	2.6	α-Keto-β-Methylvaleric 1.8	<= 2.1
Acid (DHPPA) 3-Hydroxyphenylacetic	3.1	Acid 0.33 Glutaric Acid	<= 0.51
Acid	<= 8.1	Isovalerylglycine	<= 3.7
Acid	0.04	Methylation Markers (Folate, B12)	S= 3.1
Benzoic Acid <dl< td=""><td>◆ ■ ● &lt;= 0.05</td><td>Formiminoglutamic Acid</td><td></td></dl<>	◆ ■ ● <= 0.05	Formiminoglutamic Acid	
Hippuric Acid	<= 603	(FIGIu) 0.8	<= 1.5
Yeast / Fungal Dysbiosis M	arrers	Methylmalonic Acid	<= 1.9
D-Arabinitol	<= 36	Biotin Markers	
Citramalic Acid	♦ <= 5.8	3-Hydroxypropionic Acid	5-22
Tartaric Acid	<= 15	3-Hydroxyisovaleric Acid	<= 29
Cellular Energy & Mitoch	ondrial Markers	Neurotransmitter Metabolites	
Fatty Acid Metabolism	Reference Range	Kynurenine Markers (Vitamin B6)	Reference Range
Adipic Acid	4.2	Kynurenic Acid	13.1 • <= 7.1
Suberic Acid	1.4	Quinolinic Acid	<= 9.1
Carbohydrate Metabolism		Kynurenic / Quinolinic	1.70
9	7-32	Ratio 0.56 Xanthurenic Acid	<= 0.96
Pyruvic Acid	9.0	Catecholamine Markers	0.00
Lactic Acid	11.08	2.8	10.50
a-Hydroxybutyric Acid	>31.0	Homovanillic Acid	1.2-5.3
β-OH-Butyric Acid β-OH-β-Methylglutaric	12	Vanilmandelic Acid 0.09 3-Methyl-4-OH-	0.4-3.6
Acid	◆ ■ ■ ● <= 15	phenylglycol	0.02-0.22
Energy Metabolism	998	9.3	
Citric Acid	23	5-OH-indoleacetic Acid	3.8-12.1
cis-Aconitic Acid	● 10-36 93	Toxin & Detoxification Markers	Reference Range
Isocitric Acid	22-65 34	Pyroglutamic Acid	16-34
α-Ketoglutaric Acid	34 ◆ 4-52 3.6	a-Ketophenylacetic Acid 0.44 (from Styrene)	<= 0.46
Succinic Acid	3.0 ◆ 0.4-4.6 9.0	a-Hydroxyisobutyric Acid (from MTBE)	11.1
Malic Acid	9.0 <= 3.0	0.62	0.33-1.0
Nethodology: GCMS, LC/MS/MS, Alkaline Picro	ate, Colorimetric	Metabolic Analysis Reference Ranges are Age Specific	
ratories Aps	UK Office:		
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	V	vv	$\mathbf{v}\mathbf{v}$	$\mathbf{v}\mathbf{v}\mathbf{v}$	$\mathbf{v}\mathbf{v}\mathbf{v}$	$\mathbf{v}\mathbf{v}\mathbf{v}\mathbf{v}$	XXXX
TIENT:	Λ	$\mathbf{\Lambda}\mathbf{\Lambda}$	ΛΛ	$\Lambda\Lambda/$	$\mathbf{\Lambda}\mathbf{\Lambda}\mathbf{\Lambda}$	$\Lambda \Lambda \Lambda$	

TEST NUMBER: T-NL-XXXXX (XXXXXXXXXX) GENDER. XYZ ΧХ

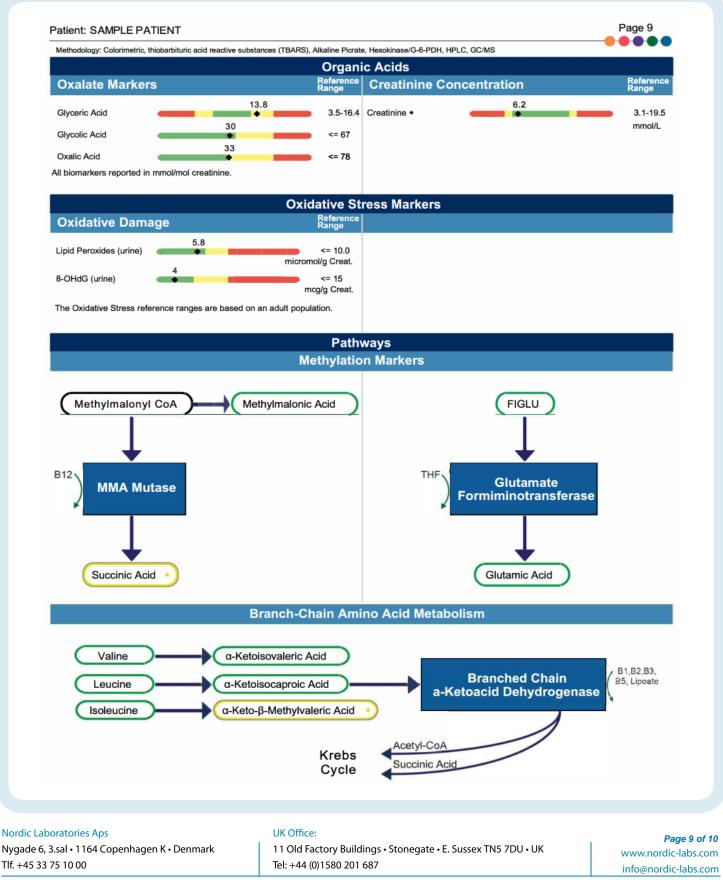
PA

AGE:

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

PRACTITIONER XXXXXXXXXXXXXXXX

### **TEST NAME: Metabolomix+**





PATIENT:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X
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TEST NUMBER T-NL-XXXXX (XXXXXXXXX) GENDER XYZ AGE: XX COLLECTE: XX/XX/XXX RECEIVED: XX/XX/XXXX TESTED: XX/XX/XXXX TEST REF: TST-NL-XXXX

PRACTITIONER:

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# **TEST NAME: Metabolomix+**

	icromol/g creatinine unless otherwis		cids (FMV)		
Nutritionally Essential Amino Acids			Intermediary Metabolites		
Amino Acid		Reference Range	B-Vitamin Markers		Reference Range
Arginine <dl< th=""><th></th><th>3-43</th><th>α-Aminoadipic Acid</th><th></th><th>2-47</th></dl<>		3-43	α-Aminoadipic Acid		2-47
Histidine	361	124-894	α-Amino-N-butyric Acid		2-25
Isoleucine	11	3-28	β-Aminoisobutyric Acid	149	11-160
Leucine	22	4-46	Cystathionine	3	2-68
Lysine	36	11-175	Urea Cycle Markers		
Methionine	5	2-18	Citrulline	2.3	0.6-3.9
Phenylalanine	25	8-71	Ornithine	8	2-21
	266			227	
Taurine	78	21-424	Urea •		168-465 mmol/g creatinin
Threonine 🧧	23	17-135	Glycine/Serine Metabolites		
Tryptophan e	32	5-53	Glycine	250	95-683
Valine	•	7-49	Serine	132	40-163
	otein Amino Acids	Reference	Ethanolamine	190	50-235
Amino Acid	41	Range	Phosphoethanolamine	4	1-13
Alanine		63-356		<dl< td=""><td>3-13</td></dl<>	3-13
Asparagine	88	25-166	Sarcosine	1,1	
Aspartic Acid		<= 14		Related Markers	Referenc Range
Cysteine e	26	8-74	Dictary replice	0.4	капде
Cystine	25	10-104	Anserine (dipeptide)	3	0.4-105
γ-Aminobutyric Acid	1	<= 5	Carnosine (dipeptide)	12	1-28
Glutamic Acid	15	4-27	1-Methylhistidine	38	38-988
Glutamine	188	110-632	3-Methylhistidine	30 	44-281
Proline	3	1-13	β-Alanine	4	<= 22
Tyrosine	44	11-135			
Creatinine Conce	entration	Reference Range			
	6.1				
Creatinine•	•	3.1-19.5 mmol/L			
Amino Acid reference ranges ar Methodology: LC/MS/MS, Alkali					
	UKO				