



Patient: **SAMPLE  
PATIENT**

DOB:

Sex:

MRN:

**3400 TRIAD™ Profile - Blood and Urine**

Methodology: LC/Tandem Mass Spectrometry, Colorimetric

**Summary of Abnormal Findings**

Biomarkers	Findings	Metabolic Pathway
<b>Fatty Acid Metabolism</b>		
Adipate	<b>Borderline High</b>	Fatty acid oxidation
Ethylmalonate	<b>H</b>	Fatty acid oxidation
<b>Carbohydrate Metabolism</b>		
L-Lactate	<b>Borderline High</b>	Glycolysis
b-Hydroxybutyrate	<b>Borderline High</b>	Ketone production
<b>Energy Production Markers</b>		
Succinate	<b>H</b>	Citric acid cycle
Hydroxymethylglutarate	<b>Borderline High</b>	HMG-CoA pathway
<b>B-Complex Vitamin Markers</b>		
No Abnormality Found		
<b>Methylation Cofactor Markers</b>		
No Abnormality Found		
<b>Neurotransmitter Metabolism Markers</b>		
5-Hydroxyindoleacetate	<b>Borderline High</b>	Serotonin metabolism
Kynurenate	<b>Borderline High</b>	Tryptophan pathway
<b>Oxidative Damage and Antioxidant Markers</b>		
p-Hydroxyphenyllactate	<b>Borderline High</b>	Gut bacterial metabolism
<b>Detoxification Indicators</b>		
2-Methylhippurate	<b>Borderline High</b>	Xylene exposure
Glucarate	<b>Borderline High</b>	Phase I and II detox
Pyroglutamate	<b>Borderline High</b>	Glutathione pathway
<b>Bacterial - General</b>		

**Summary of Abnormal Findings**

Biomarkers	Findings	Metabolic Pathway
Hippurate	<b>Borderline High</b>	Gut bacterial metabolism
Phenylacetate	<b>Borderline High</b>	Gut bacterial metabolism
Indican	<b>H</b>	Gut bacterial metabolism
<b>L. acidophilus/General Bacteria</b>	No Abnormality Found	
<b>Clostridial Species</b>	No Abnormality Found	
<b>Yeast/Fungal</b>		
D-Arabinitol	<b>Borderline High</b>	Yeast product

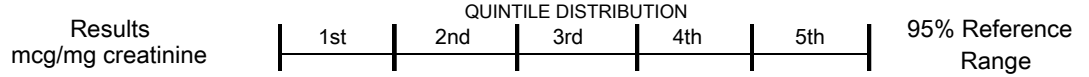


**Organix® Comprehensive Profile - Urine**

Methodology: LC/Tandem Mass Spectrometry, Colorimetric

This report is not intended for the diagnosis of neonatal inborn errors of metabolism.

Ranges: Ages 13 and over



**Nutrient Markers**

**Fatty Acid Metabolism**

(Carnitine & B2)

Item	Results	mcg/mg creatinine	95% Reference Range
1. Adipate	7.8	6.2	<= 11.1
2. Suberate	0.9	2.1	<= 4.6
3. Ethylmalonate	7.9	3.6	<= 6.3

**Carbohydrate Metabolism**

(B1, B3, Cr, Lipoic Acid, CoQ10)

Item	Results	mcg/mg creatinine	95% Reference Range
4. Pyruvate	<DL	3.9	<= 6.4
5. L-Lactate	8.6	8.5	0.6 - 16.4
6. β-Hydroxybutyrate	2.5	2.1	<= 9.9

**Energy Production (Citric Acid Cycle)**

(B comp., CoQ10, Amino Acids, Mg)

Item	Results	mcg/mg creatinine	95% Reference Range
7. Citrate	570	601	56 - 987
8. Cis-Aconitate	35	51	18 - 78
9. Isocitrate	91	98	39 - 143
10. α-Ketoglutarate	<DL	19.0	<= 35.0
11. Succinate	21.0	11.6	<= 20.9
12. Fumarate	<DL	0.59	<= 1.35
13. Malate	1.1	1.4	<= 3.1
14. Hydroxymethylglutarate	3.6	3.6	<= 5.1

**B-Complex Vitamin Markers**

(B1, B2, B3, B5, B6, Biotin)

Item	Results	mcg/mg creatinine	95% Reference Range
15. α-Ketoisovalerate	<DL	0.25	<= 0.49
16. α-Ketoisocaproate	<DL	0.34	<= 0.52
17. α-Keto-β-Methylvalerate	<DL	0.38	<= 1.10
18. Xanthurenate	<DL	0.34	<= 0.46
19. β-Hydroxyisovalerate	4.5	7.6	<= 11.5

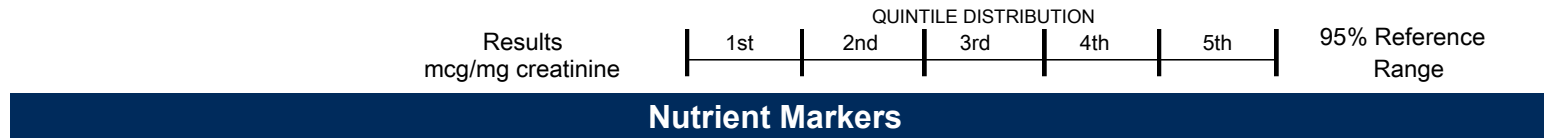


**Organix® Comprehensive Profile - Urine**

Methodology: LC/Tandem Mass Spectrometry, Colorimetric

This report is not intended for the diagnosis of neonatal inborn errors of metabolism.

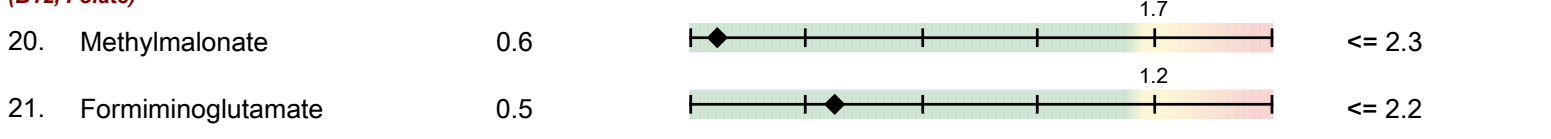
Ranges: Ages 13 and over



**Nutrient Markers**

**Methylation Cofactor Markers**

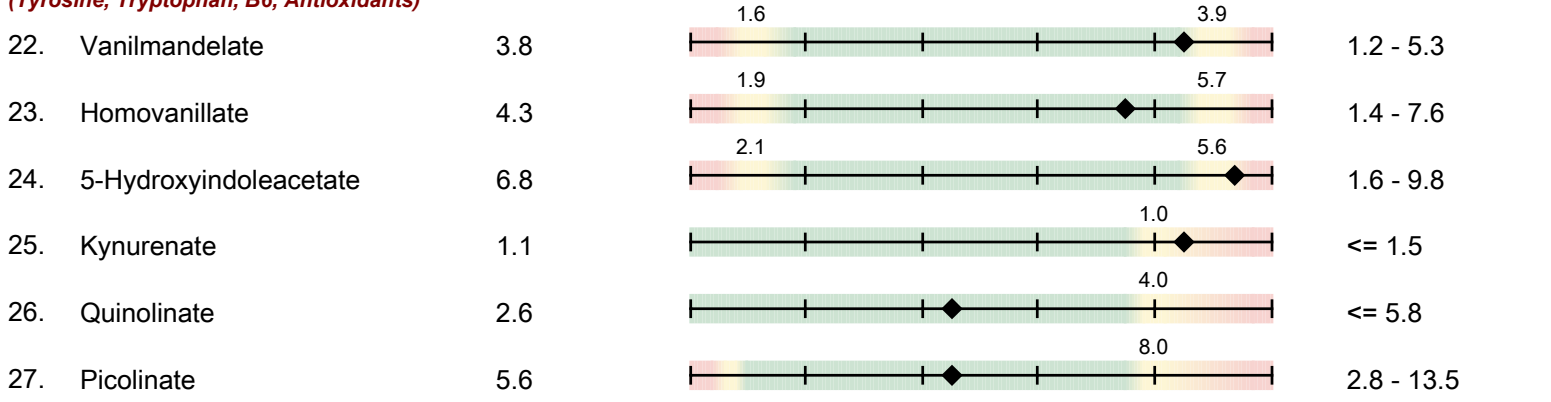
(B12, Folate)



**Cell Regulation Markers**

**Neurotransmitter Metabolism Markers**

(Tyrosine, Tryptophan, B6, Antioxidants)



**Oxidative Damage and Antioxidant Markers**

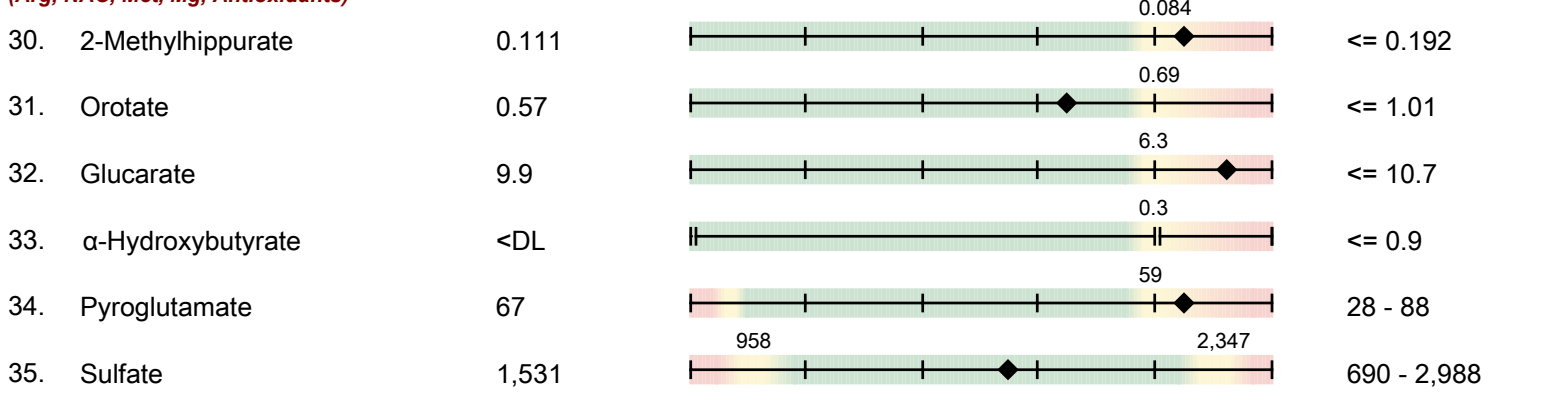
(Vitamin C and Other Antioxidants)



**Toxicants and Detoxification**

**Detoxification Indicators**

(Arg, NAC, Met, Mg, Antioxidants)



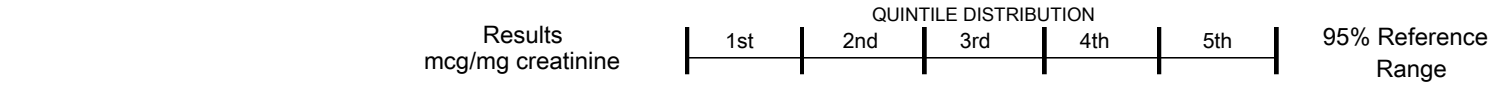


**Organix® Comprehensive Profile - Urine**

Methodology: LC/Tandem Mass Spectrometry, Colorimetric

This report is not intended for the diagnosis of neonatal inborn errors of metabolism.

Ranges: Ages 13 and over



**Compounds of Bacterial or Yeast/Fungal Origin**

**Bacterial - General**

36. Benzoate	<DL				0.6	<= 9.3
37. Hippurate	709				548	<= 1,070
38. Phenylacetate	0.17				0.11	<= 0.18
39. Phenylpropionate	<DL					<= 0.06
40. p-Hydroxybenzoate	0.5				1.1	<= 1.8
41. p-Hydroxyphenylacetate	10				19	<= 34
42. Indican	93	<b>H</b>			64	<= 90
43. Tricarballoylate	<DL				0.73	<= 1.41

**L. acidophilus / General Bacterial**

44. D-Lactate	0.2				2.0	<= 4.1
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**Clostridial Species**

45. 3,4-Dihydroxyphenylpropionate	<DL					<= 0.05
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**Yeast / Fungal**

46. D-Arabinitol	40				36	<= 73
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Creatinine = 48 mg/dL

<DL = less than detection limit

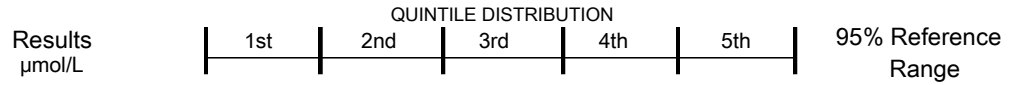
>UL = greater than upper linearity limit



**Amino Acids 20 Profile - Plasma**

Methodology: High Performance Liquid Chromatography

Ranges: Ages 13 and over.



**Essential Amino Acids**

**Limiting Amino Acids**

Rank	Amino Acid	Result $\mu\text{mol/L}$	Quintile Distribution	95% Reference Range
1.	Lysine	100	117 (5th), 203 (95%)	99 - 234
2.	Methionine	14	16 (5th), 26 (95%)	14 - 30
3.	Tryptophan	25	L, 35 (5th), 59 (95%)	30 - 67

**Branched Chain Amino Acids**

4.	Isoleucine	30	L, 40 (5th), 72 (95%)	33 - 89
5.	Leucine	57	L, 80 (5th), 137 (95%)	68 - 161
6.	Valine	159	143 (5th), 240 (95%)	123 - 282

**Other Essential Amino Acids**

7.	Phenylalanine	42	43 (5th), 64 (95%)	39 - 74
8.	Histidine	62	48 (5th), 72 (95%)	41 - 82
9.	Threonine	100	76 (5th), 151 (95%)	63 - 181

**Conditionally Essential Amino Acids**

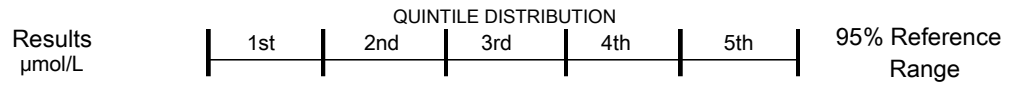
10.	Arginine	69	48 (5th), 96 (95%)	37 - 114
11.	Taurine	89	31 (5th), 73 (95%)	26 - 100
12.	Glycine	474	H, 162 (5th), 348 (95%)	136 - 430
13.	Serine	94	66 (5th), 115 (95%)	57 - 133



**Amino Acids 20 Profile - Plasma**

Methodology: High Performance Liquid Chromatography

Ranges: Ages 13 and over.



**Functional Categories**

**Vascular Function**

14.	Arginine	69		48	96	37 - 114
15.	Taurine	89		31	73	26 - 100

**Neurotransmitters and Precursors**

16.	Phenylalanine	42		43	64	39 - 74
17.	Tyrosine	30		38	70	29 - 80
18.	Tryptophan	25	L	35	59	30 - 67
19.	Glutamic Acid	180	H	29	95	23 - 136
20.	Taurine	89		31	73	26 - 100

**Sulfur Amino Acids (Glutathione - related)**

21.	Methionine	14		16	26	14 - 30
22.	Taurine	89		31	73	26 - 100

**Urea Cycle and Ammonia Detoxification**

23.	Arginine	69		48	96	37 - 114
24.	Citrulline	48	H	20	38	15 - 44
25.	Ornithine	45		32	81	23 - 109
26.	Glutamine	339		397	585	338 - 630
27.	Asparagine	25	L	30	49	26 - 56
28.	Aspartic Acid	13.1	H	4.8	9.7	4.2 - 12.5

**Ratios**

29.	Phenylalanine/Tyrosine	1.40				$\leq 1.44$
30.	Glutamic Acid/Glutamine	0.53	H	0.06	0.21	0.05 - 0.35
31.	Tryptophan/LNAA*	0.079	L	0.100	0.106	0.095 - 0.106

\*Large neutral amino acids (Leu+Ile+Val+Phe+Tyr)

NR = Not Reportable


**Allergix® IgG4 Food Antibodies Profile - Serum**

Methodology: ELISA

**IgG4 results:**

	Results ng/mL	Response	Class		Results ng/mL	Response	Class
<b>Dairy / Meat / Poultry</b>				<b>Grains</b>			
Beef	<10			Barley	40		
Casein	<10			Corn	140	Mild	2+
Chicken	60	Mild	1+	Oat	16		
Egg, White	<10			Rice	<10		
Egg, Yolk	<10			Rye	<10		
Lamb	160	Mod	3+	Wheat	48	Mild	1+
Milk	120	Mild	2+	<b>Legumes</b>			
Pork	160	Mod	3+	Bean, String	8		
Turkey	48	Mild	1+	Lentil	40		
<b>Fish / Shellfish</b>				Lima Bean	48	Mild	1+
Clam	<10			Navy Bean	720	Mod	4+
Codfish	39			Pea, Green	48	Mild	1+
Crab	20			Peanut	64	Mild	1+
Flounder	120	Mild	2+	Pinto Bean	128	Mild	2+
Halibut	36			Soybean	8		
Lobster	48	Mild	1+	<b>Miscellaneous</b>			
Mackerel	64	Mild	1+	Aspergillus	200	Mod	3+
Oyster	16			Black Pepper	<10		
Salmon	<10			Chocolate	<10		
Shrimp	8			Cinnamon	<10		
Trout	8			Coffee	100	Mild	2+
Tuna	40			Ginger	100	Mild	2+
<b>Fruits</b>				Malt	72	Mild	1+
Apple	<10			Tea	8		
Apricot	<10			Vanilla	32		
Banana	40			Yeast, Baker's	16		
Blueberry	<10			Yeast, Brewer's	24		
Cantaloupe	<10			<b>Nuts / Seeds</b>			
Cranberry	40			Almond	<10		
Grape	40			Cashew	80	Mild	1+
Grapefruit	80	Mild	1+	Coconut	<10		
Honeydew	40			Pecan	100	Mild	2+
Lemon	40			Pistachio	144	Mild	2+
Orange	16			Sesame	120	Mild	2+
Peach	56	Mild	1+	Sunflower	8		
Pear	72	Mild	1+	Walnut	40		
Pineapple	120	Mild	2+	<b>Class Definitions</b>			
Strawberry	8			<b>Class</b>	<b>Cutoffs</b>		
Watermelon	24			Negative	0-40		
				Class 1	41 - 80		
				Class 2	81 - 150		
				Class 3	151 - 500		
				Class 4	501 - 900		
				Class 5	900+		




**Allergix® IgG4 Food Antibodies Profile - Serum**
*Methodology: ELISA*
**IgG4 results:**

	Results ng/mL	Response	Class
<b>Vegetables</b>			
Asparagus	<10		
Avocado	8		
Broccoli	40		
Cabbage	<10		
Carrot	<10		
Cauliflower	400	Mod	3+
Celery	200	Mod	3+
Cucumber	40		
Garlic	<10		
Lettuce	48	Mild	1+
Mushroom	100	Mild	2+
Mustard Seed	140	Mild	2+
Olive	16		
Onion	16		
Pepper, Green	104	Mild	2+
Potato	100	Mild	2+
Spinach	8		
Sweet Potato	8		
Tomato	8		
Zucchini	40		

Class Definitions	
Class	Cutoffs
Negative	0-40
Class 1	41 - 80
Class 2	81 - 150
Class 3	151 - 500
Class 4	501 - 900
Class 5	900+

This test has been developed and its performance characteristics determined by Genova Diagnostics, Inc. It has not been cleared by the U.S. Food and Drug Administration.



**3400 TRIAD™ Profile - Blood and Urine**

**TRIAD Profile Analyte Pattern Analysis**

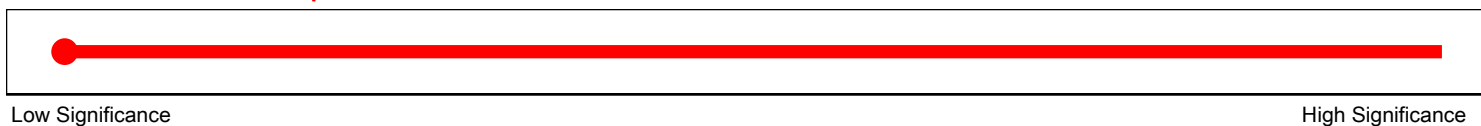
A multi-analyte report can provide greater insight about health risks and special nutrient needs. Patterns of abnormalities can reinforce the degree of significance indicated by a single measurement. Analytes from the various profiles in the TRIAD report are combined below into categories associated with clinical/metabolic conditions.

The categories included cover the most common areas of concern relevant to these profiles. Above each thermometer are listed the analytes used to calculate the degree of significance. An ↑ or ↓ appears when the patient result is outside the fourth quintile of the population.

The thermometer advances to the right as the number and severity of relevant abnormalities increases. The longer the filled bar, the greater the degree of significance or likelihood that a health threat may exist in that category. The preceding laboratory reports provide the detail upon which these thermometers are based.

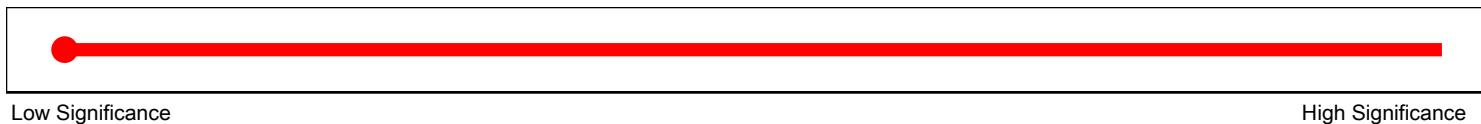
**Fatigue (Mitochondrial Impairment)**

Isoleucine	↓	Leucine	↓	Phenylalanine	↓	Adipate	↑
Suberate		α-Ketoglutarate		Succinate	↑	Malate	
Xanthurenate		Methylmalonate		Formiminoglutamate			
IgG*	↑						



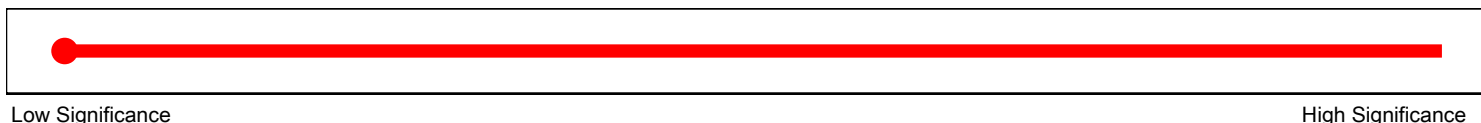
**Mental/Emotional**

Tryptophan	↓	Tyrosine	↓	Xanthurenate		Methylmalonate	
Formiminoglutamate		Quinolinate		Vanilmandelate		5-Hydroxyindoleacetate	↑
Homovanillate							
IgG*	↑						



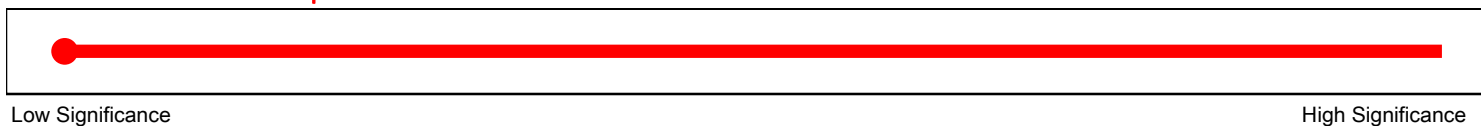
**Intestinal Hyperpermeability (Leaky Gut)**

Positive IgG scores of 1+ or higher were found for 34 foods.



**Digestive Insufficiency**

Histidine		Isoleucine	↓	Leucine	↓	Lysine	↓
Methionine	↓	Threonine		Valine		Methylmalonate	
Pyruvate		α-Keto-β-Methylvalerate		Glutamine	↓		
IgG*	↑						





**3400 TRIAD™ Profile - Blood and Urine**

**Toxic Exposure**

2-Methylhippurate	↑	Glucarate	↑	Sulfate	Orotate
Citrate		Cis-Aconitate		Isocitrate	Quinolate
IgG*	↑				



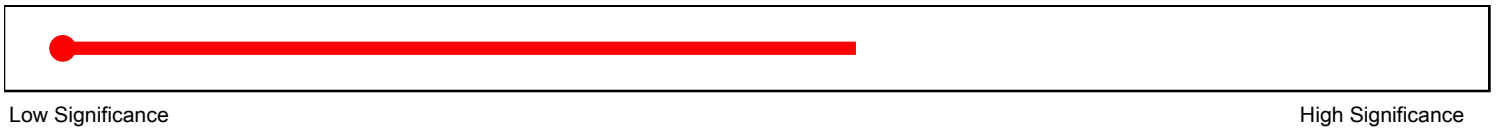
**Mitochondrial Functional Impairment**

Adipate	↑	Suberate		Ethylmalonate	↑	Pyruvate
L-Lactate	↑	β-Hydroxybutyrate	↑	Succinate	↑	Fumarate
Malate		Hydroxymethylglutarate				



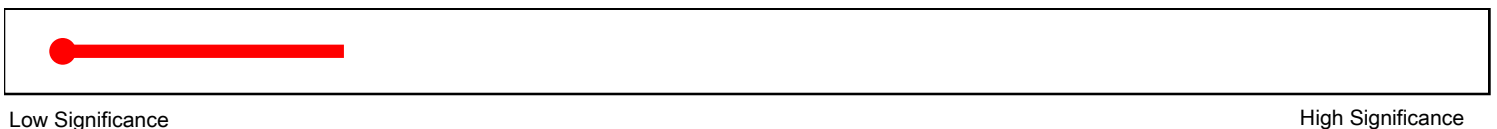
**Amino Acid Insufficiency**

Arginine		Histidine		Isoleucine	↓	Leucine	↓
Lysine	↓	Methionine	↓	Phenylalanine	↓	Threonine	
Tryptophan	↓	Valine		α-Ketoglutarate		Succinate	↑
Sulfate							



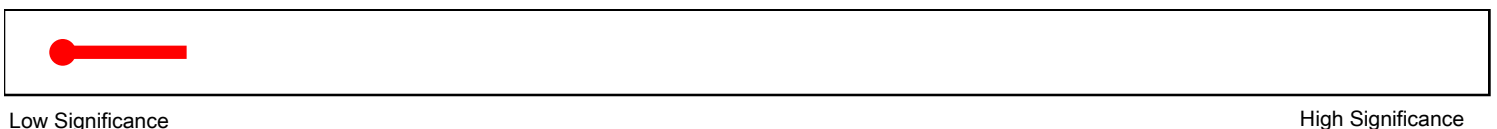
**Gut Dysbiosis**

D-Arabinitol	↑	Phenylacetate	↑	Phenylpropionate	p-Hydroxyphenylacetate
Indican	↑	Tricarballoylate		D-Lactate	3,4-DHPP*



**Detoxification Capacity**

Methionine	↓	Glycine	Taurine	Sulfate
Pyroglutamate	↑	α-Hydroxybutyrate		



\*3,4-DHPP = 3,4-Dihydroxyphenylpropionate



**3400 TRIAD™ Profile - Blood and Urine**

**Methylation**

Methionine



Xanthurenate

Methylmalonate

Formiminoglutamate



Low Significance

High Significance

\*Thermometers are affected when more than nine foods cause reactions of +1 or higher.


**3400 TRIAD™ Profile - Blood and Urine**
**Additional Considerations**

This page is provided as a starting point that may guide decisions about medical treatment based on the test results. It is derived only from the laboratory results included in this report. Final recommendations should be based on consideration of the patient's medical history and current clinical condition.

Nutrient	Nutrient Need	Clinician Recommendations
Vitamin C	Low: 250-500 mg	
Vitamin E (mixed tocopherols)	Low: 50-100 IU	
Vitamin B-1 (Thiamin)	Optional: 0-10 mg	
Vitamin B-2 (Riboflavin)	Low: 10-25 mg	
Vitamin B-3 (Niacin)	Optional: 0-10 mg	
Vitamin B-5 (Pantothenic Acid)	Optional: 0-10 mg	
Vitamin B-6 (Pyridoxine)	Optional: 0-25 mg	
Magnesium	Moderate: 200-300 mg	
Carnitine	Low: 100-250 mg	
Coenzyme Q10	Moderate: 60-100 mg	
Lipoic Acid	Optional: 0-100 mg	
N-Acetylcysteine	Optional: 0-200 mg	
Need for other antioxidants	Optional	
L-Glutamine	Low: 500-1000 mg	
L-Isoleucine	Moderate: 500-750 mg	
L-Leucine	Moderate: 1000-2000 mg	
L-Lysine	Low: 500-1000 mg	
L-Methionine	Low: 250-500 mg	
L-Phenylalanine	Low: 250-500 mg	
L-Tryptophan	Moderate: 500-1000 mg	
L-Tyrosine	Low: 250-500 mg	

Various conditionally essential nutrients and other potentially beneficial interventions appear in this section only if relevant abnormalities are present.

# TRIAD<sup>SM</sup> Profile - Clinician

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## Blood Specimen Collection Instructions

This specimen collection kit can be used for the following test(s):

- \*0400 TRIAD Profile - Blood/Urine
- \*0088 Neopterin/Biopterin Profile - Urine
- \*0030 UMFA Profile - Serum

**Please Note:** The TRIAD Profile requires the patient to collect urine at home. This should be done prior to the blood collection. **All specimens, urine and blood, must be shipped together.** Patient must be fasting for blood draw. (Urine collection instructions are explained in the TRIAD Profile - Patient Specimen Collection Instructions.)

### IMPORTANT:

All patient specimens require two unique identifiers

*patient's name and date of birth*, as well as *date of collection*.

**Patient's first and last name, date of birth, gender, and date of collection** must be recorded on the **Test Requisition Form** as well as on all tube(s) and/or vial(s), using a permanent marker, or the test may not be processed.

## Specimen

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**Serum**, 3 ml, refrigerated

**Plasma**, 2.5-3 ml, frozen

**Overnight Urine**, 12 ml, frozen

## Collection Materials

- Red/gray top serum separator tube
- Lavender top EDTA tube
- Red top amber transfer tube
- Lavender top clear transfer tube
- 2 disposable pipettes

## Shipping Materials

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- Plastic shell tube tray
- Absorbent pad
- 3 ice packets
- Test Requisition Form
- Personal Health Assessment Form
- Biohazard bag with side pocket
- Specimen collection kit box
- FedEx® Clinical Lab Pak and Billable Stamp

International shipping may vary, please see shipping instructions for more details.

*Please read all instructions carefully before you begin.*

## Patient Preparation

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- It is best to **ship the specimen within 48 hours of collection**. Please refer to the enclosed shipping instructions before you collect to determine the days that the specimen can be shipped.
- Please check to make sure the patient has fasted prior to drawing blood.
- The use of immunosuppressive drugs, like cortisone, can give false negative test results. The use of such drugs should be discontinued for 60 days before testing to allow antibody reactions to be seen.

## Blood Collection

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1. **Write patient's first and last name, date of birth, gender, and date of collection** on the Test Requisition Form (located in the pouch on top of the Specimen Collection Kit Box), as well as on all tube(s) and/or vial(s), using a permanent marker.
  - **IMPORTANT:** To ensure accurate test results you **MUST** provide the requested information.
2. **Freeze** the ice packets.
3. **Red/gray top serum separator tubes and red top amber transfer tube**
  - **Draw** the red/gray top serum separator tube.
  - **Place** upright in a rack at room temperature for 20 to 30 minutes to clot blood.
  - **Centrifuge** the red/gray top serum separator tubes for 15 minutes. The serum must be free of hemolysis or red blood cells.
  - **Pipette** 3 ml serum, using a fresh disposable pipette, from the red/gray top serum separator tube into the red top amber transfer tube. **Cap** tightly.
  - **Refrigerate** the red top amber transfer tube.
4. **Lavender top EDTA tube and lavender top clear transfer tube**
  - **Draw** the lavender top EDTA tube completely.
  - **Invert** the lavender top EDTA tube 10 times to mix the EDTA with the blood.
  - **Centrifuge** immediately for 15 minutes. The plasma must be free of hemolysis or red blood cells.
  - **Remove** the lavender top EDTA tube after centrifuging; **DO NOT INVERT TUBE**.
  - **Pipette** plasma, using a fresh disposable pipette, 2.5-3 ml into the lavender top clear transfer tube.
  - **Freeze** the lavender top transfer tube.

## Specimen Preparation

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5. **Place** the frozen transfer tube, refrigerated red top amber transfer tube, and frozen urine collection into the slots or the ends of the plastic shell tube tray (an exact fit is not necessary). **Place** absorbent pad over tubes. **Place** frozen ice packets at each end of tubes in tray. **Snap** the tray closed.
6. **Place** the tray into the biohazard bag.
7. **Staple** payment to the bottom right-hand corner of the completed Test Requisition Form and **complete** the Personal Health Assessment Form; **Fold and Place** them in the side pocket of the biohazard bag.
8. **Seal** the biohazard bag; **Place** it into the specimen collection kit box and close the box.



# Checklist (Prior to Shipping)

Includes Blood & Urine Specimens

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## 1. Tubes

- Patient's first and last name, date of birth, gender and date of collection are written on all tubes and vials
- All the tubes and vials are capped tightly

## 2. Frozen

- Clear cap plastic vial (urine)
- Lavender top clear transfer tube
- 3 ice packets

## 3. Refrigerate

- Red top amber transfer tube

## 5. Test Requisition Form with Payment

- Test Requisition Form is complete
- Personal Health Assessment Form is complete
- Payment is included

\*Not Available in New York



Call 800.221.4640 or visit our website at [www.metamatrix.com](http://www.metamatrix.com)

# TRIAD<sup>SM</sup> Profile - Patient

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## Urine Specimen Collection Instructions

This specimen collection kit can be used for the following test(s):

- \*0400 TRIAD Profile - Blood/Urine
- \*0088 Neopterin/Biopterin Profile - Urine
- \*0030 UMFA Profile - Serum

**Please Note:** The TRIAD Profile requires the patient to collect urine at home. This should be done prior to the blood collection. **All specimens, urine and blood, must be shipped together.** Patient must be fasting for blood draw. (Blood collection instructions are explained in the TRIAD Profile - Clinician Specimen Collection Instructions.)

### IMPORTANT:

All patient specimens require two unique identifiers

***patient's name and date of birth***, as well as ***date of collection***.

**Patient's first and last name, date of birth, gender, and date of collection** must be recorded on the **Test Requisition Form** as well as on all tube(s) and/or vial(s), using a permanent marker, or the test may not be processed.

## Specimen

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**Serum**, 3 ml, refrigerated

**Plasma**, 2.5-3 ml, frozen

**Overnight Urine**, 12 ml, frozen

## Collection Materials

- Clean collection container  
(NOT included in this kit)
- Clear cap plastic vial  
with thymol preservative
- Disposable pipettes

## Shipping Materials

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- Plastic shell tube tray
- Absorbent pad
- 3 ice packets
- Test Requisition Form
- Personal Health Assessment Form
- Biohazard bag with side pocket
- Specimen collection kit box
- FedEx® Clinical Lab Pak and  
Billable Stamp

International shipping may vary, please see shipping instructions for more details.

*Please read all instructions carefully before you begin.*

## Patient Preparation

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- It is best to **ship the specimen within 48 hours of collection**. Please refer to the enclosed shipping instructions before you collect to determine the days that the specimen can ship.
- It is not necessary to discontinue nutritional supplements prior to this specimen collection. Abnormalities that may be found will reveal special needs that have not been met by recent dietary and supplemental intake.
- **Decrease** fluid intake to avoid excessive dilution of the urine.
  - For adults, restrict intake to three 8 oz. glasses or less for 24 hours
  - Make sure that no more than 8 oz. of the fluid is consumed after 8:00 the evening prior to urine collection.
- **Do Not collect** urine during menstruation.
- **Please check** to make sure the patient has fasted prior to drawing blood
- The use of immunosuppressive drugs, like cortisone, can give false negative test results. Discontinue the use of such drugs for 60 days before testing to allow antibody reactions to be seen.
- Vial contains preservative - **Do Not Rinse**.

## Urine Collection

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1. **Write** patient's **first and last name, date of birth, gender,** and **date of collection** on the Test Requisition Form (located in the pouch on top of the Specimen Collection Kit Box), as well as on all tube(s) and/or vial(s), using a permanent marker.
  - **IMPORTANT:** To ensure accurate test results you **MUST** provide the requested information.
2. **Empty** bladder before going to bed at night. **DO NOT** collect this urine.
3. **Collect** urine (if any) during the night and first morning urine into a clean container.
4. **Pipette** urine, using a fresh disposable pipette, into the clear cap plastic vial to the 12 ml mark (**DO NOT OVERFILL**). **Screw** the cap on tightly.
5. **Dispose** of the remaining urine.
6. **Freeze** the clear cap plastic vial and the ice packet.

## Blood Collection Preparation

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7. **Schedule** the blood drawing appointment on a **Monday, Tuesday, Wednesday, or Thursday** morning. Inform the doctor or lab that a centrifuge is needed to prepare the blood specimens. The kit contains all of the tubes required for collection.
8. **Do not have anything to eat or drink** (other than water) after 9:00, the night before your blood is drawn.
9. **Staple** payment to the bottom right-hand corner of the completed Test Requisition Form and **complete** the Personal Health Assessment Form; **Fold and Place** them in the side pocket of the biohazard bag.
10. **Take** frozen urine specimens (placed in biohazard bag with the frozen ice packet) and ALL collection and shipping materials with you to the blood drawing site. This will allow the blood and urine specimens to be shipped together to the lab.

# Checklist (Prior to Shipping)

Includes Blood & Urine Specimens

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## 1. Tubes

- Patient's first and last name, date of birth, gender and date of collection are written on all tubes and vials
- All the tubes and vials are capped tightly

## 2. Frozen

- Clear cap plastic vial (urine)
- Lavender top clear transfer tube
- 3 ice packets

## 3. Refrigerate

- Red top amber transfer tube

## 5. Test Requisition Form with Payment

- Test Requisition Form is complete
- Personal Health Assessment Form is complete
- Payment is included

\*Not Available in New York



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