

TEST NUMBER: T-NL-XXXXX (XXXXXXXXXXX)

GENDER: XYZ COLLECTED: XX/XX/XXXX RECEIVED:

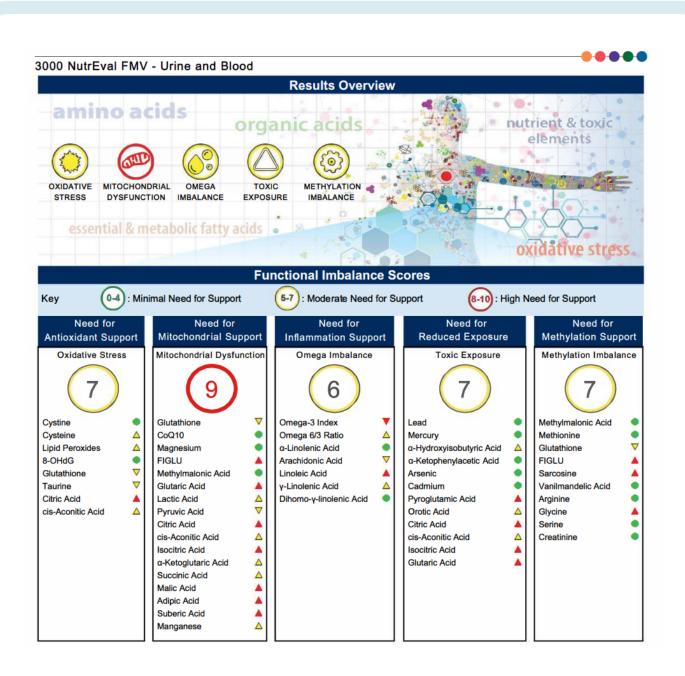
TESTED:

XX/XX/XXXX XX/XX/XXXX TEST REF: TST-NL-XXXX

### XXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXX

# **TEST NAME: NutrEval FMV**





GENDER: XYZ COLLECTED: XX/XX/XXXX RECEIVED: XX/XX/XXXX

XX/XX/XXXX

TESTED:

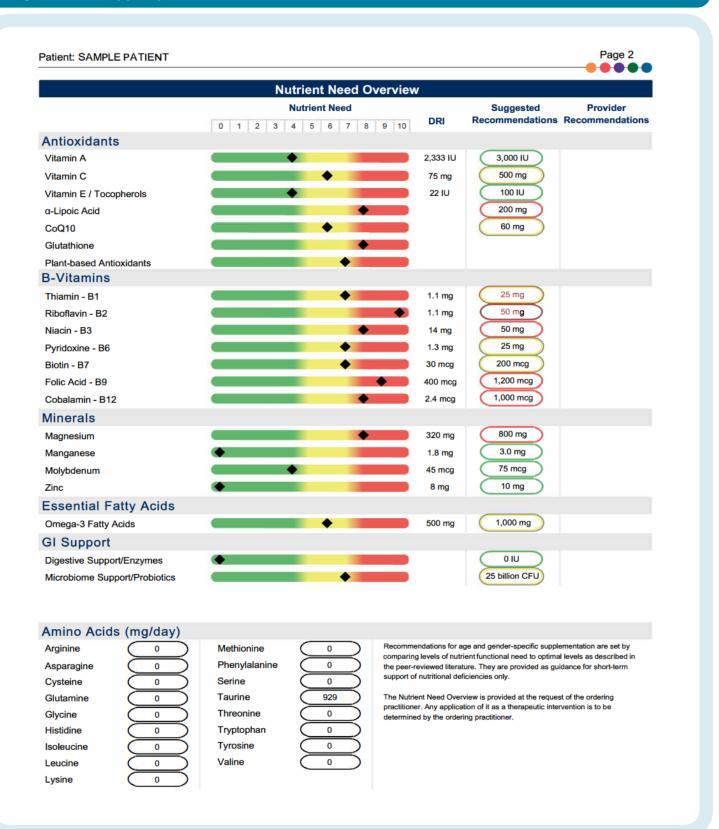
PRACTITIONER

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XXXXXXXXXXXXXXXXXXXX

TEST REF: TST-NL-XXXX

# **TEST NAME: NutrEval FMV**



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GENDER: XYZ

COLLECTED: XX/XX/XXXX

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

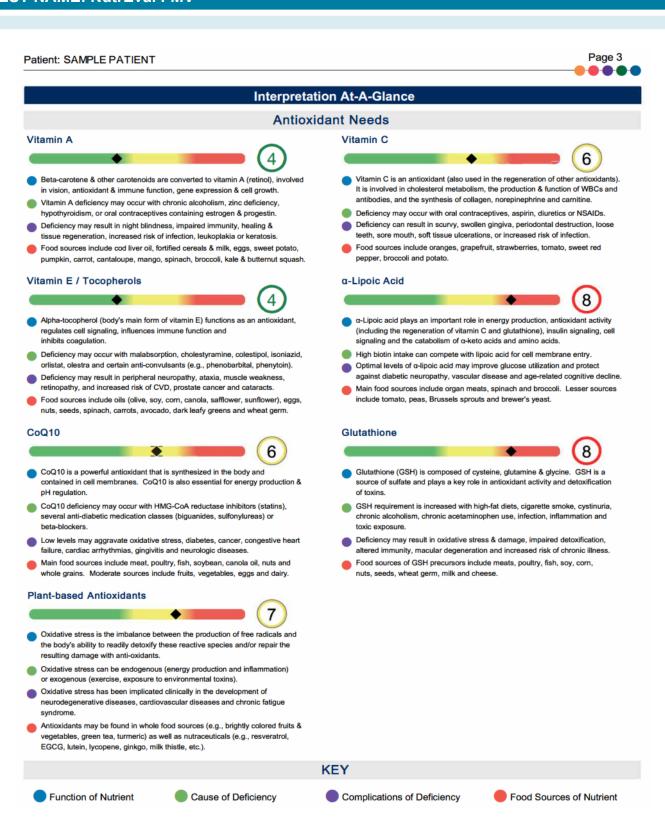
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PRACTITIONER:

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# **TEST NAME: NutrEval FMV**



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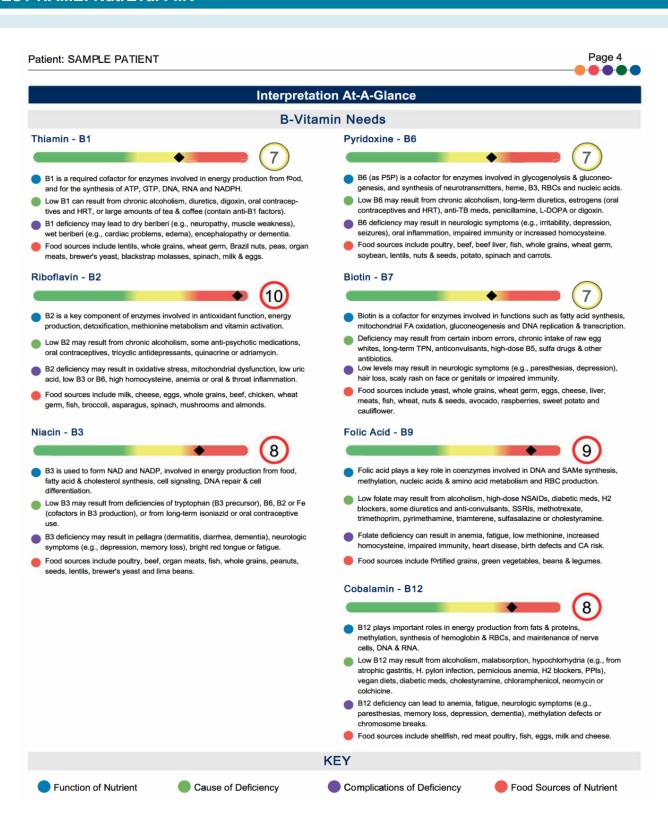
TEST REF: TST-NL-XXXX

PRACTITIONER:

### XXXXXXXXXXX

XXXXXXXXXXXXXXXXXXX

# **TEST NAME: NutrEval FMV**



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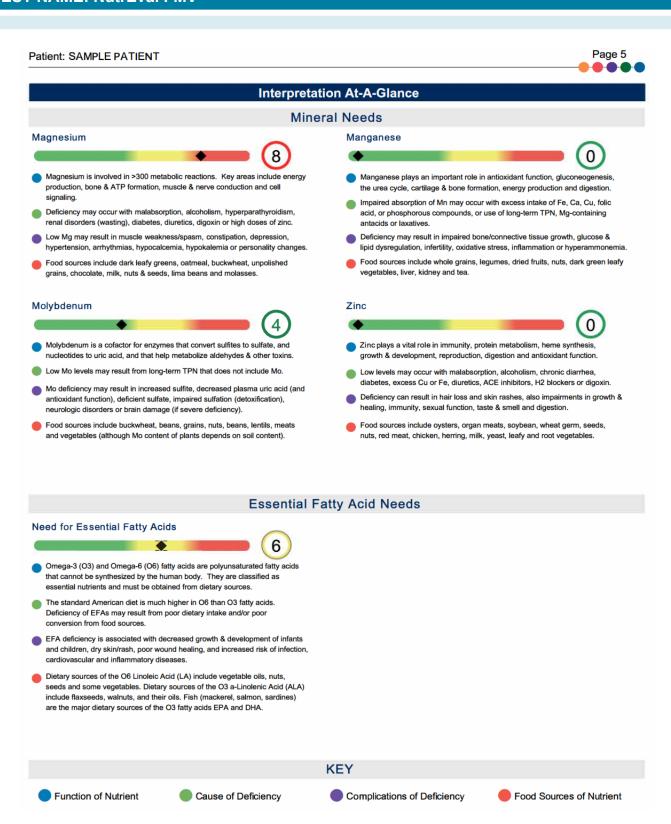
TEST REF: TST-NL-XXXX

PRACTITIONER:

### XXXXXXXXXXX

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# **TEST NAME: NutrEval FMV**

Patient: SAMPLE PATIENT

# **Interpretation At-A-Glance**

# Microbiome & Digestive Support

#### **Need for 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
- Food sources rich in probiotics are yogurt, kefir and fermented foods.

#### Need for Pancreatic Enzymes





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





- Mitochondria are a primary site of generation of reactive oxygen speci Oxidative damage is considered an important factor in decline of physiologic function that occurs with aging and stress.
- Mitochondrial defects have been identified in cardiovascular disease, fatigue syndromes, neurologic disorders such as Parkinson's and Alzheimer's disease, as well as a variety of genetic conditions. Common nutritional deficiencies can impair mitochondrial efficiency.

#### Need for Methylation



- Methylation is an enzymatic process that is critical for both synthesis and inactivation. DNA, estrogen and neurotransmitter metabolism are all dependent on appropriate methylation activity
- B vitamins and other nutrients (methionine, magnesium, selenium) functionally support catechol-O-methyltransferase (COMT), the enzyme responsible for

#### **Toxic Exposure**





- Methyl tert-Butyl Ether (MTBE) is a common gasoline additive used to increase octane ratings, and has been found to contaminate ground wate 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
- 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

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GENDER: XYZ XX

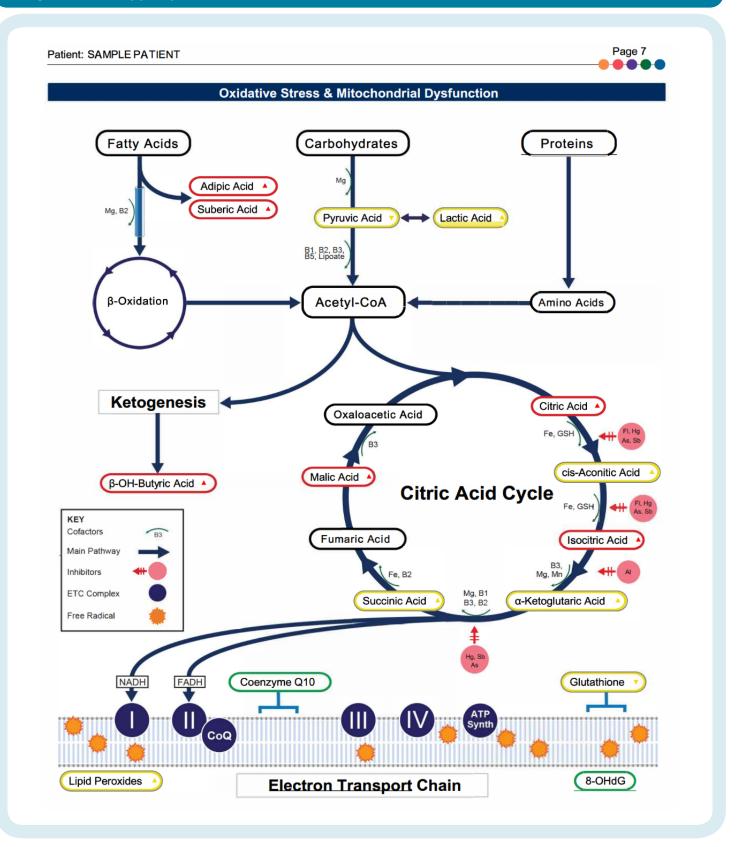
COLLECTED: XX/XX/XXXX RECEIVED:

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

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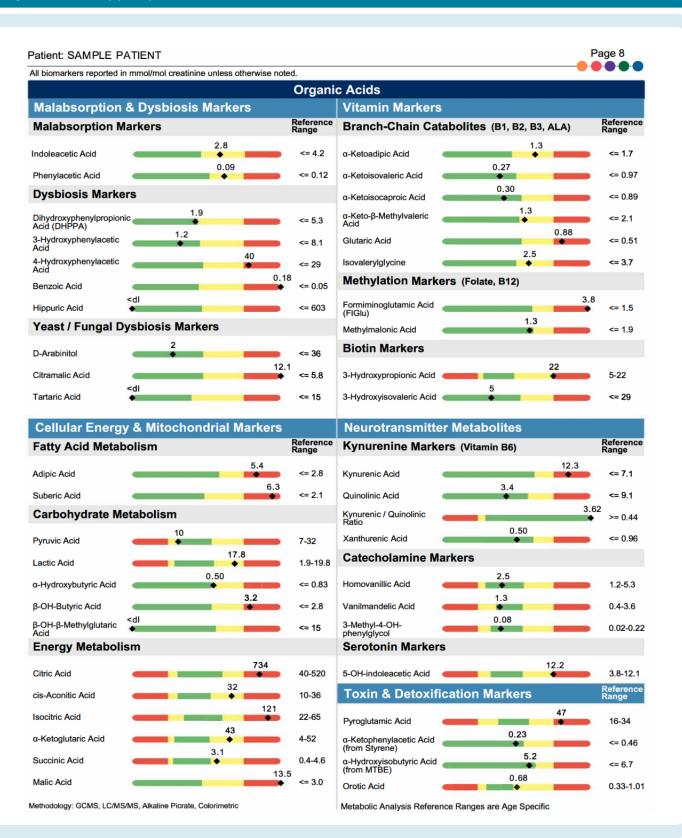
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GENDER: XYZ XX

COLLECTED: XX/XX/XXXX RECEIVED:

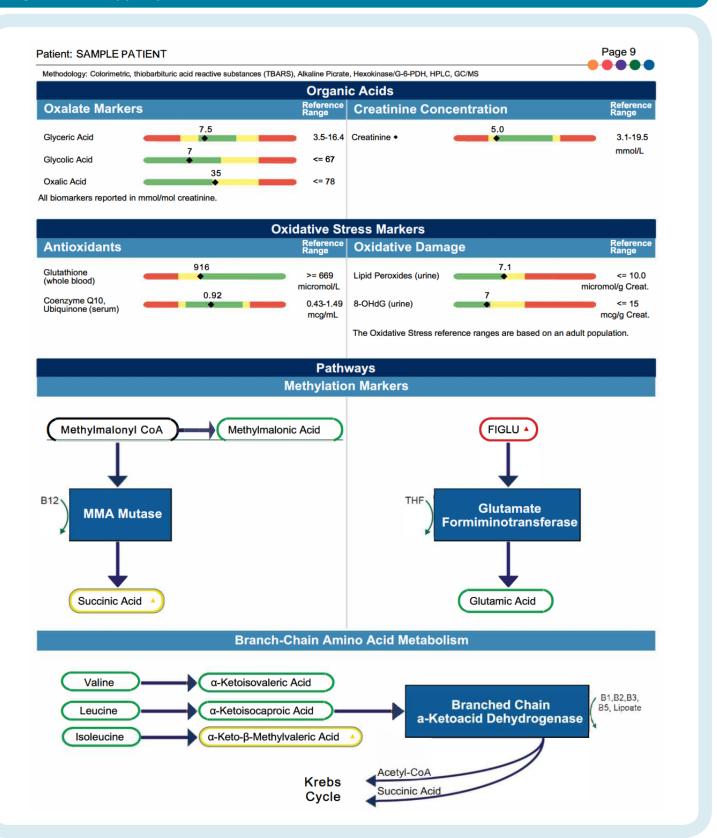
XX/XX/XXXX TESTED: XX/XX/XXXX TEST REF: TST-NL-XXXX

XXXXXXXXXXXX

PRACTITIONER

XXXXXXXXXXXXXXXXXXXX

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XX/XX/XXXX

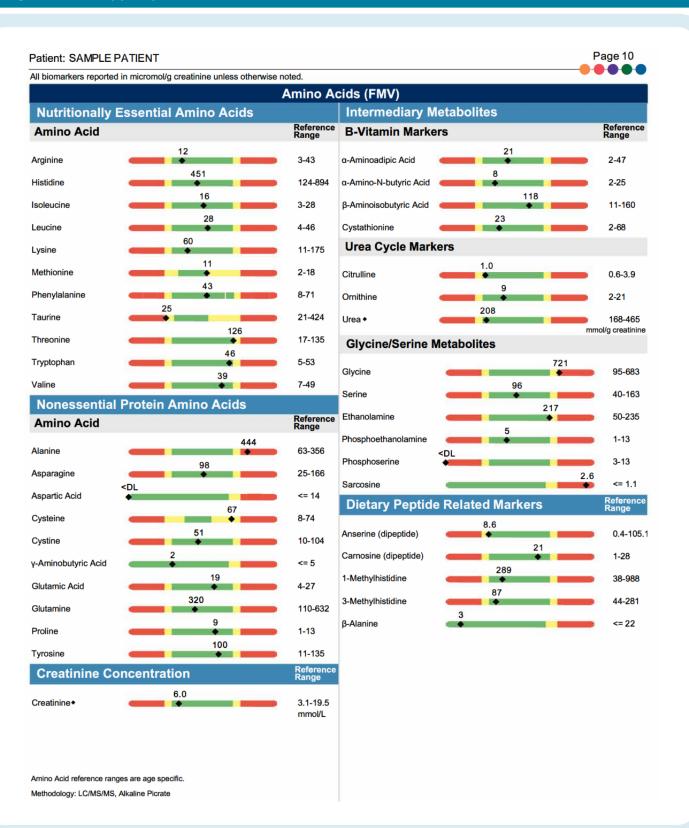
TESTED:

PRACTITIONER:

xxxxxxxxxxxxxxxxx

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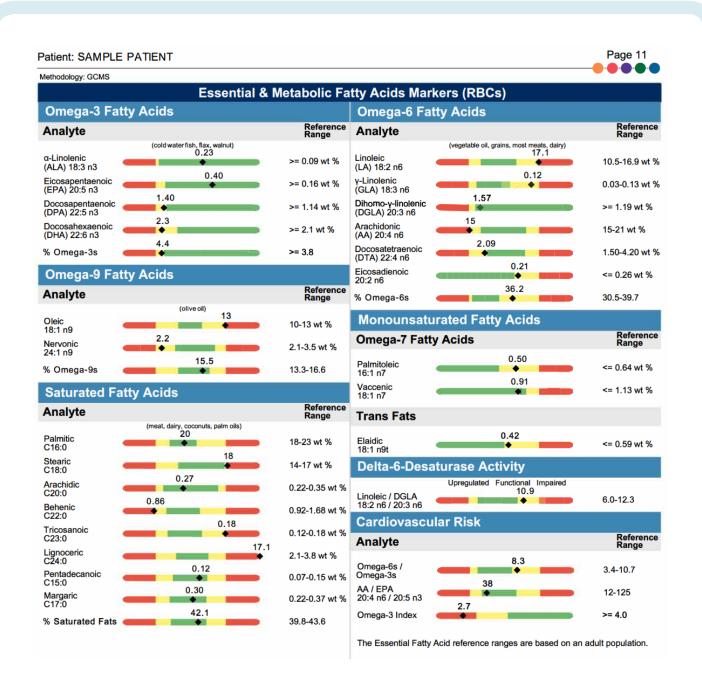
XX/XX/XXXX

TESTED:

PRACTITIONER:

TEST REF: TST-NL-XXXX

# **TEST NAME: NutrEval FMV**





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GENDER: XYZ

XX

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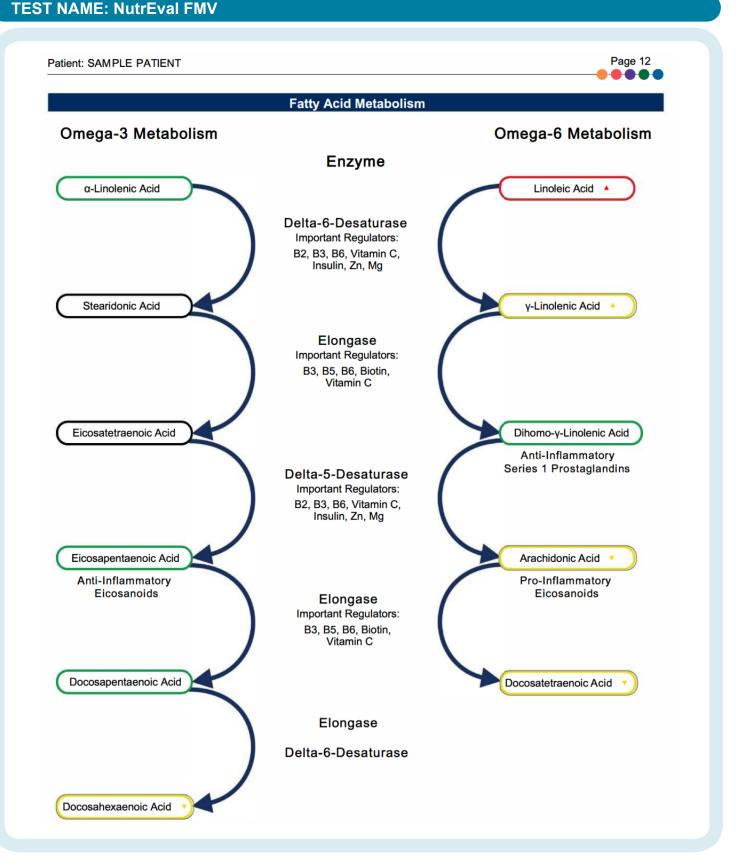
TESTED:

XX/XX/XXXX XX/XX/XXXX TEST REF: TST-NL-XXXX

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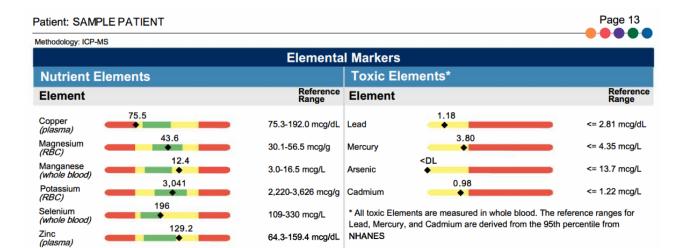
TESTED:

TEST REF: TST-NL-XXXX
PRACTITIONER:

**XXXXXXXXXXX** 

XXXXXXXXXXXXXXXXXX

# **TEST NAME: NutrEval FMV**



The Elemental reference ranges are based on an adult population.

Elemental testing performed by Genova Diagnostics, Inc. 3425 Corporate Way, Duluth, GA 30096 - Robert M. David, PhD, Lab Director - CLIA Lic. #11D0255349 - Medicare Lic. #34-8475

#### Commentary

For more information regarding NutrEval clinical interpretation, please refer to the NutrEval Support Guide at <a href="https://www.gdx.net/nutrevalguide">www.gdx.net/nutrevalguide</a>.



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PRACTITIONER:

XXXXXXXXXXX

XXXXXXXXXXXXXXXXXX

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Patient: SAMPLE PATIENT

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# **Lab Comments**

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

The Reference Range is a statistical interval representing 95% or 2 Standard Deviations (2 S.D.) of the reference range population. One Standard Deviation (1 S.D.) is a statistical interval representing ~68% of the reference population. Values between 1 and 2 S.D. are not necessarily abnormal. Clinical Correlation is suggested.

