



Porphyrins

Evaluating Toxic Effects in Urine...



Sources of toxicants:

- Fish
- Amalgams
- Polluted air and soil
- Fluorescent bulbs
- Paints
- Pottery
- Folk medicine
- Ground water
- Tobacco

Symptoms of toxicity:

- Fatigue/weakness
- Chemical sensitivity
- Irritability
- Anxiety
- Memory loss
- Insomnia
- Numbness and tingling in hands and feet
- Tremors
- Gastrointestinal issues
- Loss of appetite

What are porphyrins?

Porphyrins are proteins involved in the formation of heme, the carrier protein for iron in hemoglobin. Heme + iron or hemoglobin complex is what carries oxygen throughout our body. Heme must be present to conserve iron and transport oxygen throughout your body. Porphyrins also support cells in the liver which are responsible for detoxification. Proper porphyrin production is essential for our body's capacity to detoxify toxins.

Why should I use the Metamatrix Toxic EffectsSM Porphyrins Profile?

With a simple overnight urine collection, the Porphyrins Profile measures seven porphyrins, total porphyrins, and two ratios to help identify the effects of metal toxicity and to see which therapy is right. It also measures patterns of specific porphyrin evaluations which serve as functional markers of toxicity from toxic metals or organic chemicals.

Testing porphyrins can identify...

- The level of biochemical damage caused by toxicant exposure
- Mercury's effect in patients with amalgams
- Toxicity of patients before and during chelation therapy
- The toxicity of therapeutic drugs
- Possible differentiation of specific heavy metal toxicity

Toxicity can cause these clinical conditions...

- Multiple chemical sensitivity
- Behavioral and learning disorders
- Immune dysfunction
- Chronic fatigue syndrome
- Neurological and mental/emotional disorders
- Anemias

Also helpful in identifying toxicities found in Autism Spectrum Disorders (ASD) and formulating treatment interventions due to:

- Poor detoxification and sulfation
- Heavy metal burden

PATIENT INFORMATION SHEET



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