

The clinical value of the Quicksilver Mercury Tri-Test



Hi, I'm Dr. Sodano, the Director of Clinical Support and Education at Evexia Diagnostics. Today I want to talk about a test we offer that assesses mercury exposure called the "Quicksilver Scientific Mercury Tri-Test".



What's special about this test is that it is an advanced mercury analysis test that identifies different sources of mercury by measuring the relative amounts of the two main forms of mercury in the body—methylmercury (aka organic mercury) and inorganic mercury. It also assesses excretion capabilities of the body for those two forms.

As you most likely know, mercury exposure can come from contaminated shellfish or seafood, contaminated water supply (methylmercury), dental amalgams or working in the dental profession (inorganic mercury), laboratory equipment, barometers, thermometers, mining, and smelting operations.

The signs and symptoms of mercury toxicity are variable and may include metallic taste, increased salivation, paresthesia with decreased senses of hearing, touch, and vision, hypertension, headaches, fatigue, insomnia, and fine muscle tremors. Common mercury toxicity symptoms include emotional disturbance, significant mood swings, anger outbursts, excitability, and lack of focus and concentration.

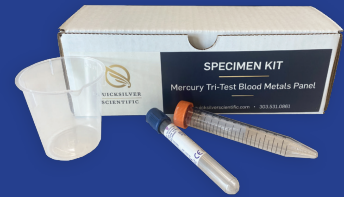
You should also know that mercury toxicity varies with the form or type of mercury, the dose, and the rate of exposure. The target organ for inhaled mercury vapor, such as the inorganic mercury from amalgams, is primarily the brain, while methylmercury chiefly damages the gut lining and kidneys, and is widely distributed throughout the body.

The Mercury Tri-Test differentiates between the two different forms of mercury which allows you to identify the source of exposure and evaluate the toxicity level more accurately.

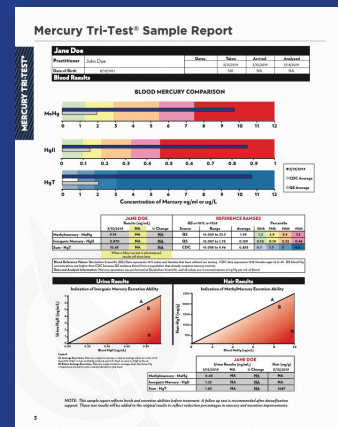
The advantage of this type of testing is that there's no need for chelation prior to testing. You may recall that the risk of chelation is the potential for redistribution of metals in the body.

As I mentioned earlier, this test also evaluates for excretion by identifying the concentration of mercury in the blood and the concentration in the excretion product in hair and urine. Knowing this information allows you to support the excretion pathways. Remember that if excretion is impaired, detoxification protocols often exacerbate the patient's symptoms.

THE MERCURY TRI-TEST UTILIZES SAMPLES OF WHOLE BLOOD, URINE, AND HAIR



- Blood is a direct measure of metals in the body
- Inorganic mercury is excreted through the kidneys
- Hair samples assess the amount of organic mercury that passes through the liver. Hair mercury concentration is proportional to blood methylmercury concentration and can be used as a surrogate for bile in the evaluation of liver excretion.



Learn more about the Quicksilver Mercury Tri-Test by [clicking here](#).
 Learn more about the Evexia Nutraceuticals by [clicking here](#).
 To learn more about Evexia Diagnostics scan the QR Code.
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FEATURED EVEXIA NUTRACEUTICALS: EX-METAL ESSENTIALS

EX-Metal Essentials contains patented complexes of modified citrus pectin and alginate, two complex polysaccharides that work together to bind to heavy metals without depleting essential minerals from the body.

Ingredients:

Modified Citrus Pectin: Pectin is a polysaccharide (a complex carbohydrate) found in the cell wall of many citrus fruits. Citrus pectin is normally too large to work effectively inside cells; however, the modified citrus pectin in this product was developed using a unique proprietary process which allows for the correct low molecular weight and structure of pectin necessary for it to enter cells and help chelate heavy metals.

Modified Alginate Complex: Alginates are the carbohydrates that make up the cell wall of seaweed and have the distinct capability to bind heavy metals to their own molecules. Alginates work mainly in the gastrointestinal tract to prevent reabsorption of toxins as they are being pulled from tissues.

Chlorella (as broken cell wall chlorella to unlock its benefits and allow for greater bioavailability): Chlorella is a green algae that not only offers a rich supply of nutrients for the digestive, circulatory, and respiratory systems, but also has the ability to bind to metals after they are released from tissues, and help prevent reabsorption.

Glutathione: Glutathione is a peptide made up of three amino acids with impressive antioxidant properties, so it protects tissues from heavy metals and helps the liver convert toxins into safer compounds to be excreted.

N-Acetyl-Cysteine (NAC): NAC is an amino acid that supports healthy liver function and has strong antioxidant capabilities to help protect tissues from toxins. It is also a precursor to glutathione, helping to replenish this nutrient.

Alpha Lipoic Acid (ALA): ALA is a powerful antioxidant that can easily pass through cell membranes and aid the chelation process inside the cell.



Here are some Evexia Nutraceuticals™ recommendations related to detoxification for your patients:

PRO-BIOTIC MICROPHAGE

Pro-Biotic Microphage is a specialized bacteriophage formulation combining four types of phages (as the proprietary bacteriophage blend PrePhage™) along with seven strains of probiotics. This product is designed to support the proliferation of beneficial bacteria throughout the small and large intestines in order to promote healthy GI and immune function.

N-ACETYL CYSTEINE PLUS

N-Acetyl Cysteine (NAC) is an amino acid that is a precursor to glutathione, the body's most powerful antioxidant, which helps promote optimal detoxification.

MULTI COMPLEX PLUS

MultiComplex Plus is a full-spectrum multivitamin with Albion chelated minerals for maximum absorption and bioavailability. This powerhouse multivitamin supplies supportive nutrients not normally found in regular multis, such as delta and gamma tocotrienols, TMG, and fruit bioflavonoids.

MAGNESIUM MALATE CHELATE

Magnesium Malate Chelate is a highly bioavailable form of magnesium. It contains di-magnesium malate, which is magnesium bound to malic acid. Magnesium is one of the most critical minerals in the human body and is involved in hundreds of enzyme reactions.

S-ACETYL GLUTATHIONE COMPLETE

S-Acetyl Glutathione is a unique form of glutathione, one of the most powerful antioxidants naturally produced in the body. It has an acetyl group (COCH3) attached to the sulfur atom of cysteine in the glutathione molecule. S-Acetyl Glutathione is well-suited for oral ingestion, because this acetyl group protects glutathione from breaking down in the gastrointestinal tract.

MAX ANTIOX COMPLETE

Max Antiox Complete is a unique antioxidant formula derived from some of nature's most powerful herbs and spices, along with other classic and novel antioxidant compounds.

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