

Heavy Metals



Who Will Benefit from the Heavy Metals Test?

The Heavy Metals panel tests for exposure to harmful heavy metals and elements such as arsenic, lead, and mercury. Heavy metals can be found in all regions of the United States and can accumulate in air, soil, drinking and groundwater sources.¹

Those who are immunocompromised, have impaired liver function, or have reduced antioxidants and mineral activity can benefit from this panel. Children may also benefit from this panel as they are at a higher risk of developing heavy metal toxicity.

Additionally, professions and hobbies associated with an elevated risk of heavy metal toxicity include fuel, munitions, painting, rubber manufacturing, industrial smelting, mining, photographic processing, agriculture, working with semiconductors, welding, working in or near airports, and working in waste or radioactive waste disposal sites.

Recognizing Symptoms of Heavy Metal Toxicity

Symptoms include:

- Neurological symptoms
 - Cognitive decline, memory loss, ataxia, tremors, numbness, tingling, neuropathy, myopathy, Alzheimer's disease, multiple sclerosis, paralysis, Parkinson's disease, tinnitus, irritability
- Respiratory symptoms
 - Lung disease, lung cancer, breathing problems, respiratory distress, pneumonia
- Cardiovascular and hematological symptoms
 - Anemia, RBC abnormalities, hypertension, low blood pressure, hypokalemia, edema, cancers of the blood
- Gastrointestinal symptoms
 - Nausea, vomiting, diarrhea, abdominal pain, nutrient malabsorption (particularly minerals), dry mouth, metallic tastes, pancreatic cancer
- Skeletal and bone-related symptoms
 - Osteoporosis, reduced bone mineral density
- Dermatological symptoms
 - Dermatitis, eczema, dry skin, sweating, skin lesions, hyperpigmentation, hair loss, allergic skin reactions
- Renal and hepatic symptoms
 - Renal failure, elevated liver enzymes, hepatic damage, hepatic failure, suppressed hepatic detoxification, elevated hepatic enzymes
- Reproductive symptoms
 - Infertility, difficulty conceiving, birth defects, miscarriage



Why is This Test Important?

- Heavy metal toxicity is thought to affect over one million people annually, including children.²
- Heavy metal toxicity is underrepresented as a root cause of illness and disease in humans and can affect virtually all body systems.
- Heavy metal exposure may be the root cause of neurological disorders, gastrointestinal disorders, autoimmune disease, and disorders associated with increased oxidative stress and cellular dysfunction.
- The World Health Organization considers 13 heavy metals to be of significance to human and environmental health, but there are additional metals and metalloids that may be significant causes of disease and chronic illness in humans.
- The Vibrant Wellness Heavy Metals panel tests for 20 different heavy metals and elements to provide the most comprehensive view of heavy metal toxicity.
- The Heavy Metals panel can help patients get to the root of chronic illness and develop personalized detoxification solutions to begin healing.

The Vibrant Wellness Advantage

Simple testing with robust results. Perform the Heavy Metals panel in the comfort of your home via urine collection.

Unparalleled specificity and sensitivity. Our proprietary technology detects 20 of the most harmful metals and elements.

Validated and accredited. Science-backed testing and analysis based on rigorous, ongoing research by clinical experts.

What to Expect from the Test

1. Follow our simple instructions to perform this test at home (via urine collection) or at a practitioner's office (via urine or blood collection).
2. Before testing: You do not need to fast before your Heavy Metals panel. Your provider may ask you to discontinue medications or dietary supplements. Speak with your provider to learn more.
3. Send the test to our labs for analysis and work with your care provider to understand the results.

About Vibrant Wellness

Vibrant Wellness is a leading CLIA-certified and CAP-accredited biotech company based in San Carlos, CA. We deliver life-transforming lab testing that enables health and wellness providers to discover the root of patient health issues. We're at the forefront of modern medicine and research, providing personalized health analytics using cutting-edge, high-quality technology. We believe that anyone can achieve better health and vibrant longevity through individualized solutions based on testing—not guessing.

References:

1. CDC.ADSTR: Toxic Substances database. 2018.<http://www.atsdr.cdc.gov/substances/index.asp>
Environmental Performance Index. Heavy Metals 2018 Report. 2018. Yale University. <https://epi.yale.edu/2018-epi-report/heavy-metals>



Regulatory Statement

The general wellness test intended uses relate to sustaining or offering general improvement to functions associated with a general state of health while making reference to diseases or conditions. This test has been laboratory developed and its performance characteristics determined by Vibrant America LLC and Vibrant Wellness, CLIA-certified and CAP-accredited laboratory performing the test. The test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). Although FDA does not currently clear or approve laboratory-developed tests in the U.S., certification of the laboratory is required under CLIA to ensure the quality and validity of the tests.

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