

Toxin Genetics Panel

At Home Blood Saliva

Key Clinical Messages

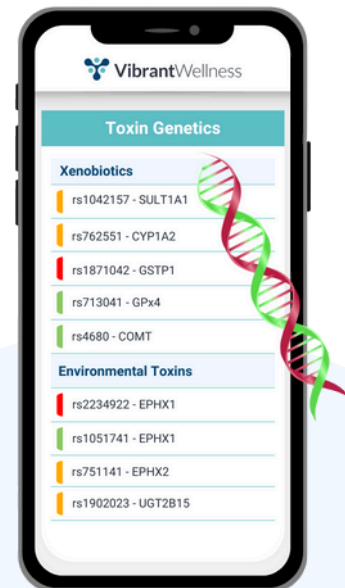
What is the Toxin Genetics Panel?

The Toxin Genetics Panel utilizes real-time polymerase chain reaction (RT-PCR) technology to analyze single nucleotide polymorphisms (SNPs) associated with detoxification pathways. This advanced method ensures precise detection of genetic variations with high sensitivity and specificity.

- Analyzes genetic variants involved in detoxification pathways, helping assess how efficiently the body processes environmental toxins, heavy metals, and chemicals.
- Supports personalized interventions to enhance detoxification and reduce toxin-related health risks.

The Toxin Genetics Panel is backed by clinical validation, ensuring reliable results that support personalized detoxification and health optimization.

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|-------------------------------------|-----------------------|
| 9 Environmental Toxin Markers | 8 Mycotoxin Markers |
| 2 PFAS Sensitivity Markers | 5 Heavy Metal Markers |
| 3 Xenobiotic Detoxification Markers | |



Why Order?

The Toxin Genetics Panel helps patients with frequent exposure to environmental toxins or those experiencing chronic fatigue, chemical sensitivity, or neurological symptoms like brain fog or dizziness. It's also for individuals with recurring skin issues, respiratory symptoms, or a family history of toxin-related health problems or food allergies. This test identifies genetic variations that impact detoxification pathways, helping guide personalized strategies to support toxin clearance and reduce symptom burden.



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Gene Name: EPHX1



A/A Elevated

Synergistic Testing Options

- **Total Tox Burden:** Provides a broader evaluation of the body's overall toxic load, including mycotoxins, heavy metals, and environmental pollutants, helping assess how toxins accumulate in the body and impair detoxification pathways that are influenced by genetic variations.
- **Micronutrient Panel:** Complements the Toxin Genetics test by measuring the levels of key vitamins and minerals that support detoxification and methylation. This test can identify deficiencies that may hinder the body's ability to process toxins efficiently.
- **Organic Acids Test:** Provides insights into metabolic pathways, oxidative stress, and mitochondrial function, helping assess how genetic impairments in detoxification pathways affect metabolism, energy production, and toxin clearance.

The Vibrant Advantage

- **Shows Genetic Factors Affected:** Measures genetic factors that affect detoxification pathways, including those involved in phase I and phase II detoxification, giving you insights into how efficiently your body processes and eliminates toxins.
- **Creates Clarification For Strategizing a Plan:** Understanding your detoxification genetics helps healthcare providers create personalized strategies to support your body's natural detox processes, reducing toxic burden and improving overall health.
- **Early Detection for Genetic Toxins:** Identifying genetic predispositions to toxin accumulation allows for early intervention with lifestyle changes, supplementation, and dietary adjustments to optimize detoxification and prevent long-term health risks.
- **Helps Minimize Risk for Chronic Conditions:** By addressing genetic weaknesses in detoxification, individuals can minimize the risk of chronic conditions like neurological disorders, cancer, and immune dysfunction linked to toxin exposure.

Additional Resources



Limitations

Please note the information provided by Vibrant Wellness is intended solely for research and informational purposes to help inform lifestyle choices aimed at potential risk mitigation. The information is not intended to be used by the patient for any diagnostic purpose and is not a substitute for medical advice by a healthcare practitioner. Please consult a licensed healthcare practitioner for any questions regarding diagnosis, prevention, or treatment of any disease or health assessment.

Regulatory Disclaimer

Please note the information provided by Vibrant Wellness is intended solely for research and informational purposes to help inform lifestyle choices aimed at potential risk mitigation. The tests were developed, and their performance characteristics were determined by Vibrant America and Vibrant Genomics. They have not been cleared or approved by US Food and Drug Administration. The laboratory is certified under the Clinical Laboratory Improvements Amendments (CLIA) as qualified to perform high complexity testing. The laboratory is also in compliance with College of American Pathologists (CAP) regulations and New York State Department of Health (NYSDOH) regulations.

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