

Oxidative Stress Profile

Protect Your Cells, Optimize Your Health

Feeling run-down, dealing with persistent fatigue, slow recovery, brain fog, or signs of premature aging? Oxidative stress could be playing a hidden role in your symptoms. The Oxidative Stress test provides insight into your body's ability to manage free radicals by measuring antioxidant reserves and markers of cellular damage.

It also identifies imbalances that can contribute to inflammation, mitochondrial dysfunction, and impaired detoxification—key drivers behind many chronic health concerns. If you've been feeling off without a clear cause, this test can reveal whether oxidative stress is impacting your overall wellness.

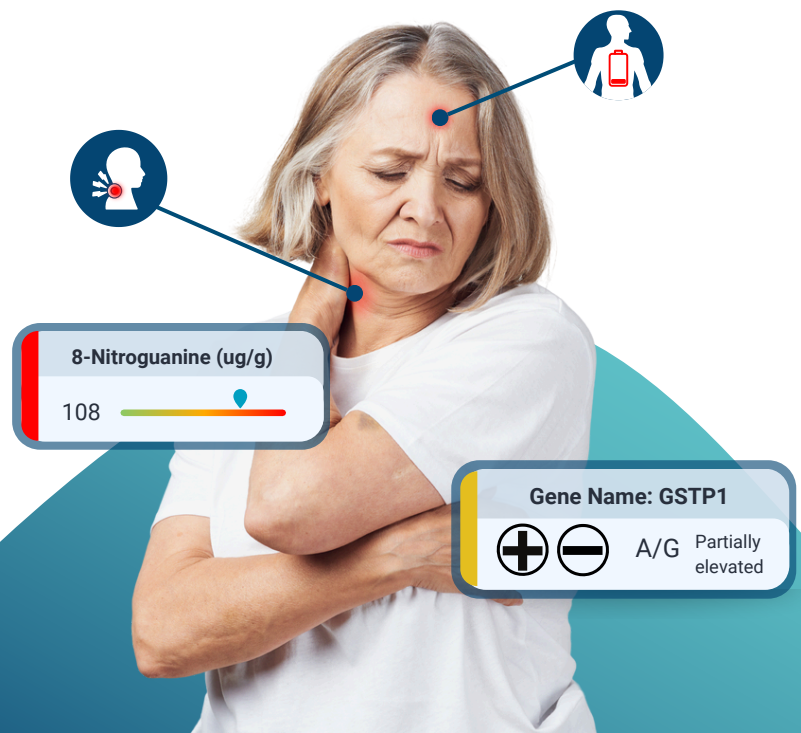
With science-backed data and actionable insights, your healthcare provider can develop a personalized plan to support antioxidant defenses, reduce cellular stress, and help restore your energy.

How It Works

The Oxidative Stress Profile is a simple at-home urine test that offers a comprehensive look at your body's internal balance between free radicals and antioxidants. It evaluates key markers of oxidative damage to lipids and DNA, along with your body's ability to neutralize that damage through its antioxidant defenses. This balance plays a critical role in cellular health, energy production, aging, and detoxification. With clear visuals and personalized insights, your provider can create a targeted plan to support antioxidant capacity and optimize long-term health.

Why Choose the Oxidative Stress Profile?

- **Identification of Damage:** Identifies oxidative damage to DNA, proteins, and lipids, which contributes to aging, cardiovascular disease, and neurodegenerative disorders.
- **Better Comprehension of Levels:** Measures antioxidant levels and mitochondrial function, helping healthcare providers understand how well the body is managing oxidative stress and cellular repair.
- **Preventative Detection:** Early detection of oxidative stress helps prevent long-term health problems by targeting interventions to reduce oxidative damage and improve mitochondrial function.
- **Insightful for Lifestyle Changes:** Helps individuals optimize their health by providing insights into lifestyle adjustments, supplementation, and therapies that support cellular function and reduce oxidative damage.



Key Markers Include:

- **Lipid Peroxidation (e.g., Malondialdehyde, GS-HNE, 8-Isoprostane):** Assesses damage to cell membranes caused by oxidative stress, linked to inflammation, cardiovascular disease, and aging.
- **DNA, RNA & Protein Oxidation (e.g., 8-OHdG, 8-Nitroguanosine, Nitrotyrosine):** Measures oxidative damage at the genetic and protein level, which may contribute to cancer, neurodegeneration, and mitochondrial dysfunction.
- **Advanced Glycation End Products (AGEs):** Identifies harmful compounds formed by sugar binding to proteins, which can accelerate aging and increase risk of metabolic disorders.
- **Nitrative Stress Markers (e.g., 8-Nitroguanosine):** Reflects reactive nitrogen species activity, often associated with inflammation and immune dysregulation.
- **Antioxidant Status (e.g., Glutathione, Cysteine, Alpha-Lipoic Acid):** Evaluates the body's ability to neutralize oxidative stress through key antioxidant molecules.
- **Genetic Variants (e.g., SOD2, GPX1, GSTM1):** Analyzes polymorphisms in antioxidant enzyme genes that influence susceptibility to oxidative damage and detoxification efficiency.



The Oxidative Stress Profile analyzes cellular damage, antioxidant capacity, and genetic susceptibility to uncover hidden contributors to fatigue, inflammation, brain fog, and accelerated aging. It identifies oxidative damage to lipids, DNA, RNA, and proteins—along with key nutrient and detox imbalances that can silently drive chronic disease and metabolic dysfunction.

Who Should Take This Test?

- **Constant Fatigue or Brain Fog?** Low energy, poor focus, or mental burnout may be signs of oxidative stress damaging your cells. This test reveals what's behind the drain.
- **Not Bouncing Back After Stress or Illness?** If recovery feels slow, your antioxidant reserves may be depleted—this test helps assess your body's resilience.
- **Dealing with Premature Aging or Inflammation?** Fine lines, joint pain, or chronic inflammation can stem from unchecked oxidative damage—this test helps connect the dots.
- **Managing Chronic Conditions or Autoimmunity?** Oxidative stress plays a key role in many long-term health issues—testing helps guide more targeted support.
- **Focused on Longevity and Prevention?** For proactive health seekers, this test offers early insight into cellular stress, detox capacity, and biological aging.

Take the First Step Towards Better Health

If you're struggling with fatigue, brain fog, inflammation, or signs of premature aging, oxidative stress could be the missing link. The Oxidative Stress Profile delivers clear answers and personalized insights to help restore balance at the cellular level. Talk to your healthcare provider today and take the next step toward renewed energy, resilience, and longevity!

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.

The test is not available in NY State.

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.