



Redox Balance: The Science of Life

Life is powered by the transfer of electrons. Every cell, every breath, and every heartbeat depends on the constant exchange between **oxidants** (electron acceptors) and **reductants** (electron donors). This balance is called **redox**, and it is the foundation of health, healing, and longevity.

Oxidants, often called reactive oxygen or nitrogen species (ROS/RNS), are not inherently bad. While uncontrolled oxidants can damage tissues, in their proper role they are essential messengers. They signal cells to adapt to stress, activate repair pathways, stimulate mitochondrial growth, and mobilize the immune system. Oxidants are the sparks that trigger change.

Reductants are the stabilizers. These include glutathione, superoxide dismutase, catalase, and plant-derived antioxidants. They prevent oxidative overload by neutralizing excess oxidants, while still allowing signaling to occur. Reductants do not silence the message — they shape and refine it, ensuring it remains coherent.

Health lives in the **dynamic equilibrium** between the two. Too many oxidants without enough reductants results in **oxidative stress** — damage to DNA, lipids, and proteins, which accelerates aging and disease. Too many reductants without oxidants results in **reductive stress** — a muted state where cells lose adaptability. True vitality is found in the balance: bursts of oxidation met by responsive reduction, a rhythm of signals that keeps the body strong, flexible, and alive.

At the center of this rhythm is **glutathione** — the body's master buffer. This tripeptide cycles continuously between its reduced and oxidized states, controlling the cellular redox environment. Glutathione shields DNA from damage, supports detoxification, regulates immune activity, and sustains mitochondrial energy production. Without glutathione, redox balance collapses and the body cannot adapt.



ASEA Redox — Bioidentical Signaling for Glutathione and Beyond

As the body ages or endures chronic stress, redox signaling falters. Oxidant signals become chaotic, reductant systems collapse, and glutathione levels fall. This breakdown is a hallmark of aging: cells can no longer coordinate defense, repair, and renewal.

This is where **ASEA REDOX** is revolutionary. ASEA is the first and only technology in the world that stabilizes **bioidentical redox signaling molecules** outside the body. Through a patented electrochemical process, purified saline is restructured into a balanced matrix of reactive oxygen and reductant molecules — the very same messengers your mitochondria produce naturally. When ingested, these molecules are recognized instantly by your cells as *self*, not supplement. They are reintegrated directly into your redox network, restoring coherence and amplifying the body's innate intelligence.

Why bioidentical matters: Most supplements provide external inputs — vitamins, minerals, or antioxidants. While useful, these must still be digested, converted, and integrated. ASEA is different. Its molecules are not inputs but instructions, immediately understood by your biology. They re-establish the conversation between oxidants and reductants, turning chaos back into communication.

One of ASEA's most powerful effects is on **glutathione**. Independent research has shown ASEA can increase glutathione by up to **500%**. More importantly, ASEA **automodulates** glutathione activity. This means it adapts

intelligently to cellular needs: raising antioxidant defenses when stress is high, and stepping back when balance is already present. The result is not force, but precision — a system that responds exactly as needed in the moment.

ASEA REDOX — Backed by Genetic Science

In an **8-week double-blind, placebo-controlled human study** conducted by *Taueret Laboratories*, ASEA REDOX activated **five key genes** responsible for regulating dozens of biological functions. These genes influence:

- Immune system health
- Inflammation control
- Cardiovascular function
- Digestive health
- Hormone & mood regulation

Within just eight weeks, participants experienced **20–31% increases in gene expression abundance** in these pathways, measurable changes that helped their bodies communicate more effectively at the cellular level. Benefits were seen across all populations — regardless of race, sex, or age — and impacted the entire body, not just one system.

Double Your Results with REDOXGold™

ASEA REDOX works internally to restore cellular communication, while **REDOXGold™** works externally to provide **instant, targeted relief**. Using a gold-catalyzed delivery system, REDOXGold™ penetrates rapidly, creating measurable changes at the cellular level that can be **seen in minutes and felt in 30 seconds**.

Thermographic imaging confirms its effects: blood flow improves, inflammation calms, and tissues recover faster. Apply REDOXGold™ to sore muscles, stiff joints, or areas needing quick recovery — whether from athletics, gardening, or simply daily stress — and experience results you can both feel and see.

How to Use ASEA Redox Technology

- **ASEA REDOX:** Drink 6+ oz daily — your body will do the rest.
 - **Renu28®:** Apply to the face and body daily for skin renewal and elasticity.
 - **REDOXGold™:** Apply topically where needed and rub vigorously for rapid, targeted relief.
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Learn More or Order Today

Scan the QR code or visit:

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