



Understanding NanoVi™ Technology

Improves cellular activity by boosting repair of oxidative stress damage.

Better cellular repair is the key to:

- Speeding recovery and regeneration
- Optimizing energy production
- Strengthening the immune system
- Promoting healthy aging
- Helping fight many chronic diseases

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NanoVi™ Technology

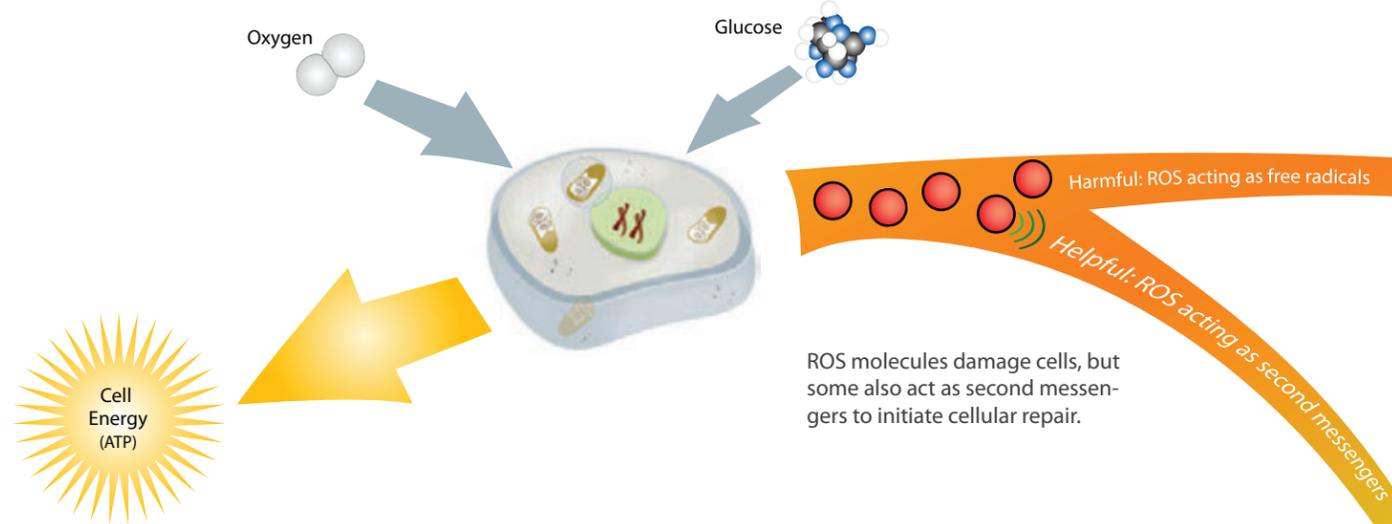
Improves cellular activity by assisting the second phase of oxidative response

- 1950s - recognized that damaging free radicals are generated when the cell's mitochondria convert oxygen and glucose to energy.
- 1970s - confirmed that free radicals are reactive oxygen species (ROS) and neutralizing ROS is the body's first line of cellular defense.
- 1980s - determined that the body's second line of defense is to repair oxidative damage, and this repair is triggered by certain ROS signals.
- 2010s - NanoVi™ technology provides precisely the same ROS-specific signal that triggers cellular repair, without creating harmful ROS.

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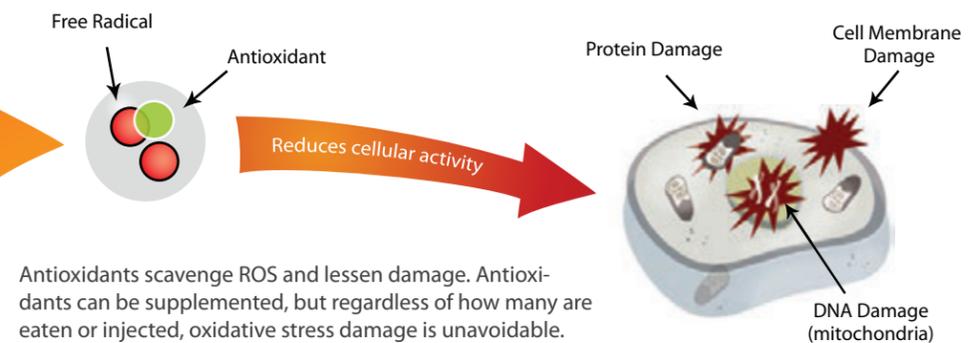
OXYGEN METABOLISM CREATES OXIDATIVE STRESS

When oxygen is metabolized in the cells, the mitochondria convert glucose and oxygen into energy. Reactive oxygen species (ROS) form as normal by-products of cell metabolism. ROS are involved in two different processes: oxidative stress and oxidative response. They act as free radicals during oxidative stress and some also serve as second messengers during the second phase of oxidative response.



PHASE 1: AVOID OXIDATIVE STRESS DAMAGE

The cell's first line of defense is to neutralize free radicals. In the initial phase of oxidative response, antioxidants help avert damage. However, hundreds of quadrillions of free radicals are produced per day. Unavoidable damage still occurs, harming the cell's proteins, DNA, and other vital components.



Oxidative Stress Damage Leads to Reduced Cellular Activity

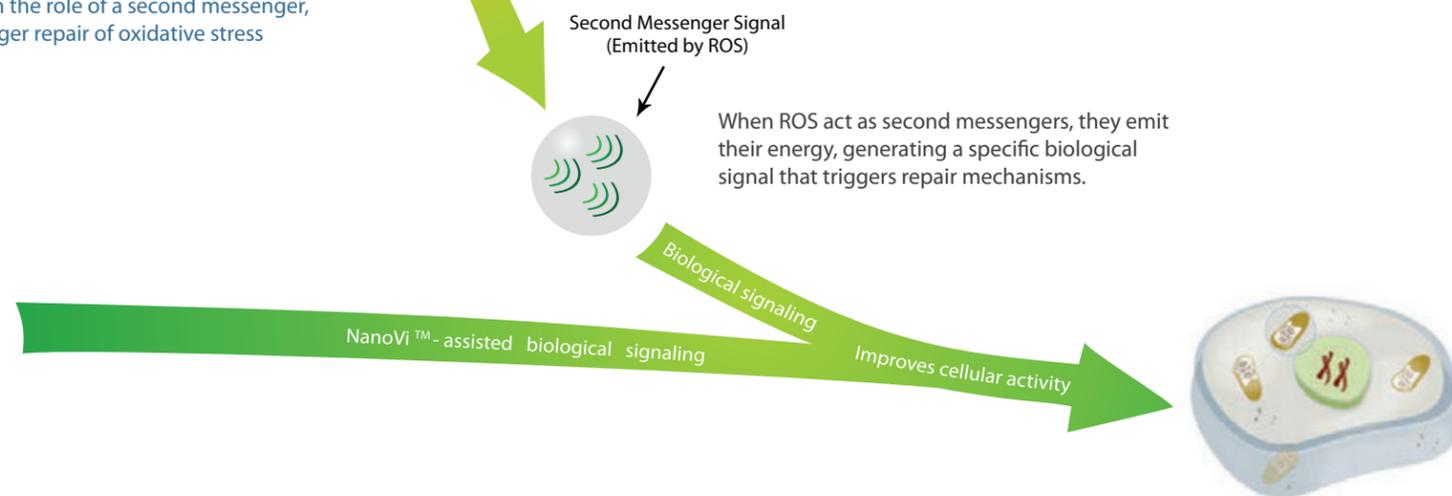
- Biological**
- reduces utilization of oxygen
 - reduces cell energy production
 - reduces utilization of nutrition
 - reduces vitality
- Health**
- leads to chronic diseases
 - causes mitochondrial diseases
 - slows wound healing
 - reduces the general state of health
- Aging**
- causes aging in general
 - causes certain age-related disorders
 - affects concentration & memory
- Sports**
- limits focus and endurance
 - slows recovery
 - weakens the immune system

PHASE 2: REPAIR OXIDATIVE STRESS DAMAGE

The second phase of the body's oxidative response is to repair damage previously caused by oxidative stress. In the role of a second messenger, certain ROS emit a specific near infrared signal. In the body, the signal is distributed via water molecules to trigger repair of oxidative stress damage throughout the system. The result is improved cellular activity.

NanoVi™ is the only technology to precisely produce the ROS-specific signal without generating any damaging ROS. University research confirmed that the NanoVi™ signal is exactly the same as the biological signal emitted by certain ROS, so it is considered bio-identical.

The bio-identical signal is transferred from the NanoVi™ device to the user by humidity in an airstream. This signal connects through the mucus membrane and cascades throughout the body.



Repair of Oxidative Damage Leads to Improved Cellular Activity

- Biological**
- increases utilization of oxygen
 - improves cell energy production
 - improves utilization of nutrition
 - improves vitality
- Health**
- helps prevent diseases & disorders
 - improves cell detoxification
 - accelerates cell regeneration
 - improves the general state of health
- Aging**
- slows the aging process
 - promotes healthy aging
 - enables better quality of life
- Sport**
- improves physical performance
 - shortens recovery time
 - strengthens the immune system

Eng3's NanoVi™ Technology

Oxygen metabolism is involved in cell metabolism and is essential for energy production (ATP). Unfortunately, oxygen metabolism always generates oxidative stress by producing free radicals. To minimize cellular damage caused by free radicals, the body relies on two phases of oxidative response. The first phase is to avoid damage and the second phase is to repair it. Eng3's technology is used to boost the second phase of oxidative response by enhancing cellular repair. Better health, vitality, and performance result from improved cellular activity.

OXIDATIVE STRESS DAMAGE

Oxidative stress damage has a negative effect on cellular function and reduces overall cellular activity. Damage caused by oxidative stress is implicated in the aging process, as well as in chronic disorders and diseases such as cancer, diabetes, and cardiovascular disease.

Some of the more common effects of oxidative stress on quality of life include:

- slower regeneration after physical performance
- burn out, low energy, fatigue
- reduced concentration and mental performance
- decreased function of the autonomic nervous system

Some of the more common disorders associated with oxidative stress include:

- | | | | |
|-----------------------------------|----------------------------|------------------------------|---------------------------------|
| • Alzheimer's Disease | • Cancer | • Fibromyalgia | • Neurological disorders |
| • Attention Deficit Disorder/ADHD | • Celiac Disease | • Hypertension | • Parkinson's Disease |
| • Arteriosclerosis | • Chronic Fatigue Syndrome | • Hypothyroidism | • Respiratory/Pulmonary disease |
| • Asthma | • COPD | • Inflammatory Bowel Disease | • Rheumatoid Arthritis |
| • Autism | • Diabetes | • Macular Degeneration | • Sleep Apnea |
| • Autoimmune disease | • Emphysema | • Mitochondrial disease | • Stroke |
| • Cardiovascular disease | • Erectile Dysfunction | • Multiple Sclerosis | • Tinnitus |

TWO PHASES OF OXIDATIVE RESPONSE

Oxidative response is the body's natural defense against damage caused by free radicals which are also called reactive oxygen species (ROS). The first phase of oxidative response attempts to avoid oxidative damage by neutralizing ROS. Antioxidants act as scavengers that bind to free radicals before they can be harmful. The second phase of oxidative response is to repair unavoidable damage. Repair is initiated through biological signaling from certain ROS. The ROS-specific signals are transferred over a network of connected water molecules in the body.

The outcomes of strong oxidative response include, but are not limited to:

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|--|-----------------------------------|
| • protection against free radical damage | • stronger cell energy production |
| • repair of damage caused by free radicals | • better cell metabolism |
| • improved oxygen utilization | • improved cellular activity |

NANOVI™ TECHNOLOGY

Eng3's NanoVi™ devices assist the second phase of oxidative response with a validated and proven process that generates the exact ROS-specific signal known to initiate repair.

Studies with NanoVi™ confirm the positive impact on cellular activity. Placebo-controlled research shows improved inflammatory response and up-regulation of the immune system. Additional research shows reduced DNA damage and improved markers for oxidative stress damage. User experiences and a range of diagnostic devices confirm improvement in cellular activities associated with the NanoVi™ device.

Areas of application for Eng3's NanoVi™ devices include:

- Performance – optimizing physical and mental performance (regeneration and recovery)
- Wellness – promoting vitality and avoiding age-related problems
- Health – addressing disorders associated with oxidative stress

NanoVi™ technology relies on a biophysical process and does not introduce chemicals or substances of any kind. Devices are easy to use at home or administer in a professional setting.

The statements in this brochure have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any specific disease.