



THE SCIENCE  
OF ASEA



## **ASEA CELLULAR HEALTH**

Experts are talking about health on a whole new level: the cellular level. Every system of the body relies on healthy cells and cellular communication, and that relies on redox signaling molecules—crucial messengers created within the cells.

But as we age, environmental toxins and other stressors diminish cellular function, and the body's ability to maintain a proper balance of redox signaling molecules diminishes, too.

## IT'S ABOUT SCIENCE

Although you may not have heard of redox signaling before now, it's not a new area of science. It's been researched for decades, multiple Nobel prizes have been awarded for discoveries related to it, and more than 10,000 peer-reviewed scientific papers have been written on the subject.



## Replenish Your Redox

What *is* new is the ability to supplement your body's own redox signaling molecules from the inside out with ASEA Redox Supplement and from the outside in with RENU 28 and RENU Advanced Intensive Redox Serum for overall health that starts in the cells.

## CELLULAR HEALTH FROM THE INSIDE OUT



### A Groundbreaking Discovery

ASEA has developed the only technology that can create and stabilize active redox signaling molecules in a consumable form: ASEA Redox Supplement, a first-of-its-kind health breakthrough.

As little as four ounces per day can make a measurable difference. In fact, blood serum biomarkers have shown positive shifts over a 24-hour period, beginning within the first 30 minutes of drinking it.

### Strides against Oxidative Stress

Significant results in a clinical trial conducted by David C. Nieman, DrPH, suggest that ASEA Redox Supplement may help reduce oxidative stress and support cardiovascular health. Study participants showed reduced oxidative stress biomarkers.\* In particular, they experienced a lowering of the oxidized form of LDL cholesterol.

\*ASEA Redox Supplement ingestion over 12 weeks was associated with lower 8-hydroxydeoxyguanosine (8-OHdG), an oxidized nucleoside of DNA and biomarker of generalized cellular oxidative stress.



ASEA Redox Supplement and RENU 28 are produced in an FDA-registered, NSF-certified facility and are certified by an independent third-party lab to contain active redox signaling molecules.



## REDOX FOR ATHLETES

Elite athletes report increased endurance and quicker recovery when using ASEA Redox Supplement. In every kind of cell, ASEA Redox Supplement enhances overall health, which means added support where the body needs it most.



CELLULAR  
HEALTH FROM  
THE OUTSIDE IN



There's also a way to deliver active redox signaling molecules directly to the skin: RENU 28 Revitalizing Redox Gel, a whole-body skin therapy that improves skin health at the cellular level.

RENU 28 has been studied in several clinical trials and the participants showed amazing results.

IMPROVEMENT

Skin Cell Renewal	Skin Texture	Skin Smoothness	Skin Elasticity	Appearance of Cellulite
16%	22%	23%	20%	16%

**NEW** RENUADVANCED  
SKIN CARE

And now, combat the visible appearance of aging and get your best skin back with the RENU Advanced skin care line. ASE's Intensive Redox Serum provides concentrated redox benefits to the areas where you need it most. Healthy skin is beautiful skin.

Each product in the RENU Advanced system has received a 5-star accreditation for safety and efficacy—the highest possible—by leading European dermatological research institute, Dermatest.



Ordered test conducted by Dermatest® GmbH



## ASEA MEDICAL PROFESSIONALS BOARD

Members of the Medical Professionals Board lend their professional expertise to ASEA, furthering understanding as well as our mission.



### David Silverman, D.P.M.

Dr. David Silverman has been a member of multiple associations, a diplomate of two medical entities, and a fellow of the American College of Foot Surgeons and the American Foot and Ankle Orthopedics and Medicine.



### Maureen Hayes, M.D.

Dr. Maureen Hayes is double board certified. She has served as an assistant professor and chief of anesthesiology. She is currently an active member of the AMMG, the AMA, and the ASA.



### Foster R. Malmed, D.C., P.C.

Dr. Malmed is part of a multi-disciplinary team of healthcare practitioners. He has been a member of multiple chiropractic associations and is a diplomate of the Chiropractic Board of Examiners.



### Karl V. Smith, D.C.

Dr. Karl Smith has been in private practice since 1991. He is a doctor of chiropractic and has completed a post-graduate chiropractic certificate in spinal trauma.



### Stan Gardner, M.D.

Dr. Stan Gardner is a licensed physician in two states, is certified in multiple disciplines, and is affiliated with the American College for Advancement in Medicine, American Academy of Environmental Medicine, and American College of Nutrition.



### Shawn Burke, P.T.A., C.P.T.

Shawn Burke is a strength, conditioning, and performance specialist for high school athletes. He is a certified personal trainer in fitness, nutrition, aquatic therapy, and rehab.



### Ahvie Herskowitz, M.D.

Dr. Herskowitz has extensive training in pathology, internal medicine, and cardiology. He has led multidisciplinary research and is currently developing integrative approaches towards prevention and treatment of vascular, immunologic, and recalcitrant chronic diseases.

## ASEA SCIENCE COUNCIL

Qualified experts in the health and wellness field validate ASEA's research and the science of redox signaling.



### **Brooke Alpert, M.S., R.D., C.D.N.**

A nationally recognized nutrition expert and author, Brooke Alpert is featured regularly on national television and has been quoted and featured in both national and international magazines.



### **Giuseppe Maffi, Sc.D.**

With a biological sciences degree and a naturopathic counseling degree, Dr. Giuseppe Maffi is an independent science consultant for nutraceutical and pharmaceutical multinational companies.



### **Karen R. Stolman, M.D.**

With 14 years in clinical and cosmetic dermatology practice, Dr. Stolman serves as an adjunct professor in the Department of Dermatology at the University of Utah.



### **Richard Watt, Ph.D.**

Dr. Richard Watt conducts research in the field of biochemistry, including studies on reactive oxygen species. He has collaborated with scientists from NASA and entities all over the world; his work is widely published.



— FOR MORE INFORMATION, CONTACT: —



ASEA®