



## What is RiaGev?

RiaGev is the first and only commercially available proprietary composition uniquely combining Bioenergy Ribose® and a form of Vitamin B3. It is distinctly formulated to enter the salvage pathway directly to more efficiently increase nicotinamide adenine dinucleotide (NAD) in the body.

# Increased NAD.

*Repair.  
Prevent.  
Rejuvenate.*



## Why is It Important to Increase NAD?

- NAD is a coenzyme and essential metabolite in all human cells
- NAD plays a key role in cellular metabolism and energy production
- NAD is vital for mitochondrial health
- NAD is a rate-limiting co-substrate for sirtuins (longevity regulators), which play key roles in the calorie restriction (CR) method of life extension and exercise response
- NAD levels decrease during aging
- High NAD levels are essential for DNA repair and recovery in a health crisis
- NAD activates CD38, which is present on many immune cells (white blood cells)  
The loss of CD38 function is associated with impaired immune responses

## Healthy Aging

- Promotes healthy mitochondria and bioenergetics, which are important for healthy aging
- Provides the precursors of NAD, the sole substrate for PARP enzymes involved in DNA repair and recovery during a health crisis
  - » NAD is critical for genome stability and preservation of the integrity of DNA to help slow the aging process
- Increases sirtuin activation, improving mitochondrial activity to prevent cellular damage from free radicals
- Plays key role in the calorie restriction (CR) method for increased lifespan and response to exercise



## **BIOENERGY** **Benefits of RIAGEV™**

### **RiaGev Promotes Mitochondrial Health**

RiaGev maintains and enhances mitochondrial health by boosting NAD levels, which induces the creation of new mitochondria.

- Mitochondria are specialized organelles in a cell where cellular respiration and energy production occur
- Mitochondria convert macronutrients (sugar, fatty acids and amino acids) into energy the cell can use
- Mitochondrial health decreases with age and disease

### **Cognitive Health**

- Supports memory and cognition by boosting cellular ATP and NAD levels, which are known to decline with age
- Promotes the brain's healthy neuronal function by increasing the supply of NAD metabolites which:
  - » Benefits many cellular-dependent pathways, such as sirtuin, related to age and cognition;
  - » Provides protection against free radicals associated with cognitive and energy decline;
  - » Prevents neurodegeneration;
  - » Reduces age-related cognitive decline.

### **About Bioenergy Life Science, Inc. (BLS)**

BLS creates innovative, functional, branded ingredients that help people feel, perform, and look better. Our scientifically based ingredients support healthy aging, mitochondrial health, sustainable energy, weight management, heart health, and many other health-enhancing benefits. We sell in bulk to businesses who manufacture or formulate functional foods and beverages, dietary supplements, sports nutrition products, and cosmeceuticals.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.