

# RiaGev®-SR™

D-ribose & Niacinamide

**Secure Release** 



# What Is It?\*

RiaGev®-SR™ is an advanced delivery form of RiaGev®, a patented blend of D-ribose and niacinamide (also known as nicotinamide). Formulated to mimic food digestion, the SmartMatrix™ secure release tablet promotes nutrient absorption over 5 to 7 hours.

#### **How Does It Work?\***

The RiaGev® blend is formulated to overcome the challenges of standard nicotinamide riboside, which can degrade in the gut or be metabolized in the liver, resulting in low bioavailability in other tissues.<sup>1</sup>

RiaGev® overcomes this barrier by directly entering the salvage pathway to help increase the body's production of nicotinamide adenine dinucleotide (NAD+).<sup>2</sup> The salvage pathway is the primary source of NAD+ for most tissues in the body.

Required by all cells, NAD+ acts as an essential cofactor and substrate for numerous biological processes, including energy production, mitochondrial function, DNA repair ,gene expression ,calcium-dependent secondary messenger signaling and immunoregulatory roles.

Metabolic stress increases the need for cellular NAD+ production,<sup>3</sup> while NAD+ levels naturally decline with age due to the inability of aging cells to synthesize enough NAD+ and/or the need for a higher level of NAD+ to meet metabolic demands.<sup>4</sup>

# **Product Availability**

Bottle Size(s):

- 90 tablets

**Directions:** Take one (1) to three (3) tablets daily with food or drink, or as directed by your healthcare professional. Do not exceed recommended dose without consulting a physician.

Supplement Facts Serving Size 1 Tablet		
Amount Per Serving		% DV
Total Carbohydrate	Less than 1 g	<1%**
Total Sugars	Less than 1 g	*
Niacin (as niacinamide)	160 mg	1000%
d-Ribose	600 mg	*
* Daily Value (DV) not establi **Percent Daily Values are ba		lorie diet.

**Ingredients:** Vegetable wax (rice bran and/or carnauba), stearic acid (vegetable), magnesium stearate (vegetable), and silica

This information is for healthcare professionals only to inform patient treatment and is not intended for consumer use.

\*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.



# Secure Release

# **Research Highlights\***

# RiaGev® improves NAD+ production & other healthy aging parameters

One randomized, triple-blind, placebo-controlled, crossover study5 indicates RiaGev® (1,520 mg ,twice daily) for 7 days significantly improves NAD+ production and related healthy aging parameters in healthy adults.

Researchers enrolled healthy men and women, aged 35 to 65 years ,who were normal weight or overweight (but not obese). Age-related health issues and high stress are common in this age range. RiaGev® supplementation was not only well tolerated, but significantly improved numerous outcome measures compared to placebo, including the ability to:

- Increase blood levels of NAD+
- Increase blood levels of glutathione & high energy phosphates (ATP + ADP).
- Support healthy glucose metabolism
- Help maintain stress resilience
- Promote overall wellbeing

Similar findings are reported in a longer-term study<sup>6</sup> designed to simulate everyday lifestyles involving healthy, middle-aged men and women who continued typical daily activities whilesupplementing with RiaGev® (1,520 mg, once or twice daily) for 28 days.

# **Suggested Dosing Protocol**

RiaGev® is effective in amounts as low as 760 mg, once daily, based on preclinical dose-response data.6 This data informs the following suggested dosing protocol:

- For loading or acute treatment: 1,520 mg, twice daily for at least 7 days
- For NAD+ production and energy: 760 mg, twice daily for at least 14 days
- For long-term NAD+ rejuvenation: 760 mg, once daily

# Ingredient Spotlight: Bioenergy RiaGev®D-ribose & Niacinamide



#### The Next-Gen NAD+ Enhancer™

#### **Unique Composition**

RiaGev® is the only commercially available proprietary compound that combines Bioenergy Ribose & niacinamide.

## **Targeted Delivery**

Unlike other forms, RiaGev® directly enters the salvage pathway—the primary source of NAD+ for most tissues in the body.

## Fast & Efficient

RiaGev® requires fewer steps to produce NAD+, making it a fast and efficient way to support NAD+ production

SmartMatrix is a trademark of Innovite, Inc. RiaGev and RiaGev-SR are trademarks of Bioenergy Life Science, Inc.

#### References

- 1. Mehmel M, et al. Nutrients. 2020;12(6):1616.
- 2. Pharmacodynamics Study Summary of RiaGev. Bioenergy Life Science, Inc. Data on file.
- 3. Xie N, et al. Signal Transduct Target Ther. 2020;5(1):227

- 4. McReynolds MR, et al. Exp Gerontol. 2020;134:110888.
- 5. Xue Y, et al. Nutrients. 2022;14(11):2219.
- 6. RiaGev White Paper 2022. Bioenery Life Science, Inc.

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