

Energy, Plus over 15 Health Benefits...



Red Ginseng: A Versatile Adaptogen

- Normalizing influence on the body
- Increases mental performance and energy
- Strengthens the system to survive threats
- No significant adverse effects



Adaptogens **decrease sensitivity to stress [don't react so strongly]**
and **increase ability to resist stress [don't tire out so quickly]**

Instead of exhaustion, the result is balance (homeostasis or equilibrium)

What makes it **red** ginseng?

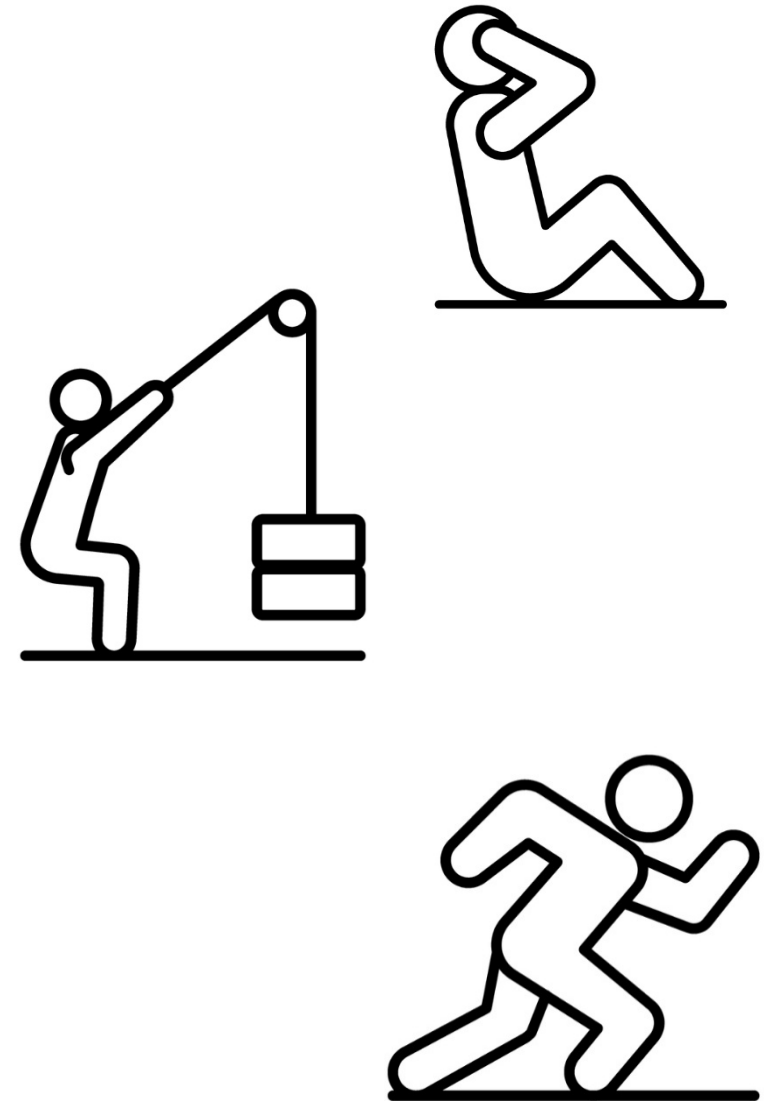
- When the ginseng root is dried AND steamed, it turns red = RED ginseng
- If the root is dried only, it stays white = WHITE ginseng
- When steamed, some of the ginsenosides in the root are transformed into rare, noble ginsenosides
- This is why comparison studies have shown that **red ginseng is more potent than white ginseng**



Why is HRG80 Special?

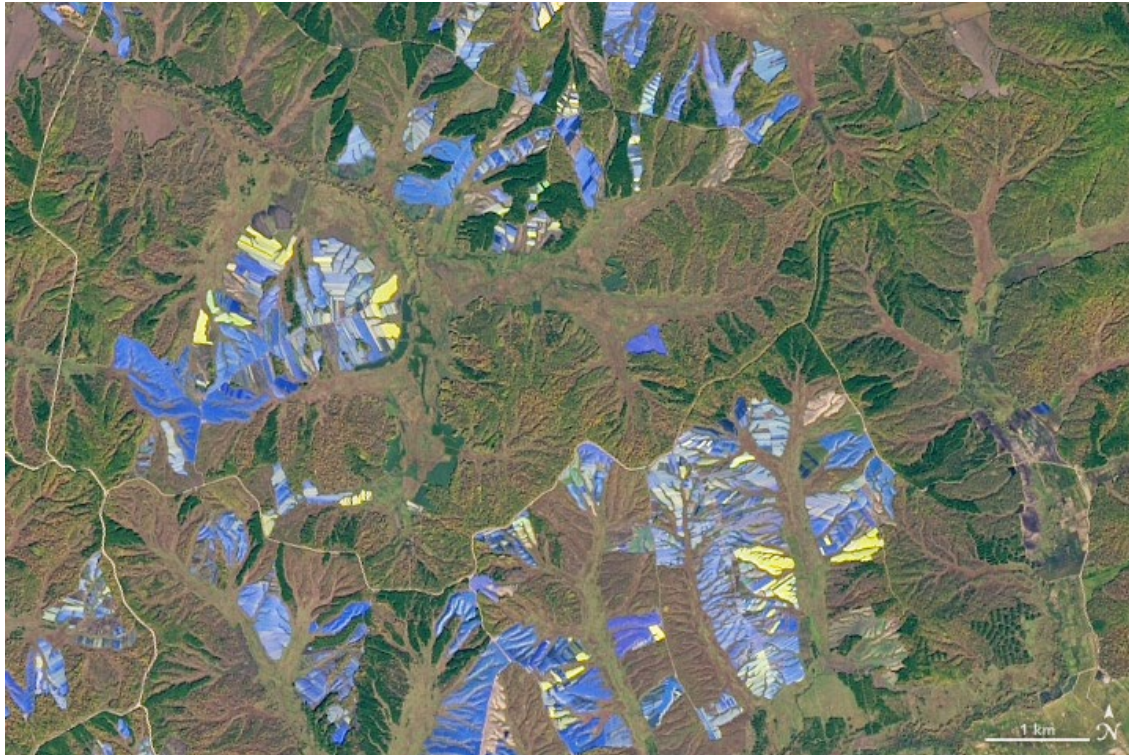
Giving Ginseng a Workout

- Not a pampered ginseng
- **Hydroponic cultivation**, periodically stressing plants to promote ginsenoside production
- Produces the equivalent of decades old wild-crafted and field grown ginsengs in a much shorter timeframe



No Exposure to Pesticides During Cultivation

“Field-grown ginseng is intensely cultivated under artificial shade structures using fertilizers and pesticides.”



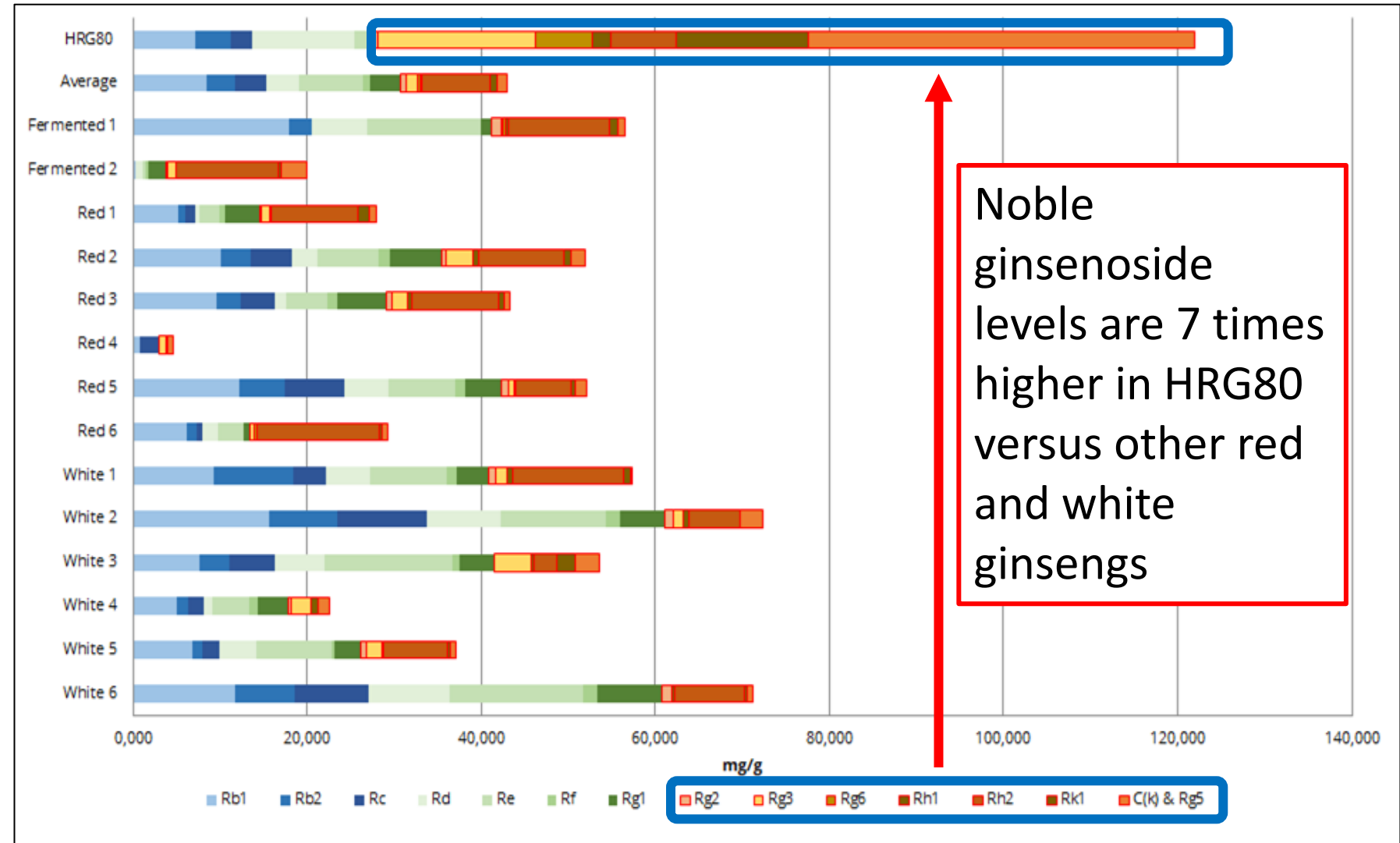
NASA satellite image of Chinese ginseng farms. Purple and yellow areas are the shade covers over the ginseng plants.

HRG80 red ginseng is grown hydroponically, without use of fungicides and pesticides



Powered by Noble (Rare) Ginsenosides

- Ginsenosides – biologically active compounds
- Most valuable are the rare or **noble** ginsenosides
 - More bioavailable
 - More potent than common ginsenosides



Proven Benefits

- 11 published papers
- Many benefits
 - Fatigue
 - Focus and attention
 - Memory
 - Stamina
 - Stress relief



Article Effect of Hydroponically Grown Red Panax Ginseng on Perceived Stress Level, Emotional Processing, and Cognitive Functions in Moderately Stressed Adults: A Randomized, Double-Blind, Placebo-Controlled Study

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Abstract: Background: Chronic stress is a pervasive issue affecting individual worldwide, with profound implications for mental and physical well-being. Panax ginseng, a widely used herbal supplement renowned for its adaptogenic properties, is hypothesized to alleviate some stress effects. This study aims to evaluate the impact of hydroponically grown Red Panax ginseng root powder with a high level of rare ginsenosides supplementation on perceived stress levels, as well as on the emotional and cognitive abilities of moderately stressed participants. **Methods:** A randomized, double-blind, controlled study was conducted with 149 participants. They were randomly assigned to either the Ginseng supplementation group (N = 72; 200 mg/day, including 24 mg of ginsenosides) or the Placebo group (N = 77). The intervention lasted for 3 weeks. The perceived stress level was measured at baseline (D0) and at the end of the intervention (D21) using a validated scale (PSS) alongside assessments of emotional (BDI) and PANAS) and cognitive abilities (Go/NoGo). Results: Significant larger decreases in the PSS and negative affect score (PANAS) were observed following intervention in the Ginseng group compared with the Placebo group. Compared to the Placebo group, participants in the Ginseng group showed faster response latencies during a spatial planning task (WCST subtest). In addition,

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Research Article

Study of Red Ginseng Preparation HRG80 for Relieving Muscle Pain/Soreness and Supporting the Neuromuscular Performance of Elite Weightlifters in Intense Resistance Exercise: An Open-Label, Randomized, Crossover Trial

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Furthermore, the effect of tablets vs. control was significant on the 5th day of the treatment, while the effect of capsules vs. control was observed three days later - on the 8th day. However, in push-ups on the uneven bars (PUB) test of neuromuscular performance, the capsule intake results in increased physical performance compared to tablets or control with maximal effect on the 7th day of treatment. The results of this study provide evidence for the efficacy of ginsenoside-based chewable tablets containing 100 mg of red ginseng HRG80[®] for relief of muscle soreness and supporting the neuromuscular performance of healthy subjects in intense resistance exercise.

Keywords: Red Ginseng; Fatigue; Muscle Pain; Anxiety; γ -Cyclodextrin

Introduction

Panax ginseng C.A. May is likely one of the most widely used botanicals in the world [1,2]. This adaptogenic plant [2-4] is approved in Europe and other countries as an herbal medicinal product to enhance cognitive functions and physical capacities in weakness, exhaustion, tiredness, low concentration, and during convalescence [9-10].

The number of recent publications indicates on beneficial effects of Korean red ginseng in healthy subjects [11-15], increasing their psychomotor and physical performance [11] and cognitive functions [14-15]. In stress, this hydroponically cultivated red ginseng root powder (HRG80[®]) effectively prevents and mitigates the stress-induced deterioration of cognitive functions in healthy subjects [14] and elderly patients with mild cognitive disorders [15]. In this study, we aimed to assess the efficacy of RG in relieving muscle soreness and improving the neuromuscular performance of elite weightlifters.

Major active constituents of RG, ginsenosides Rg5 and Rk1 comprising about 1.0% and 1.0% of RG [16], exhibit pleiotropic

pharmacological activity [16-19], however, their content in the blood circulation system is low due to poor solubility in water [20-22]. A recent study suggests that Gamma-Cyclodextrin (GCD) can increase the clinical efficacy of RG due to the enhanced solubility of the main active ingredients, ginsenosides Rg5 and Rk1 [23]. In this study, we compared the effectiveness of RG capsules with chewable tablets containing the γ -cyclodextrin incorporated RG.

The primary aim of this study was to compare the effects of the GCD-based complex of RG chewable tablets with cyclodextrin-free RG capsules on measures of perception and physical performance following an acute bout of intense resistance exercise.

Materials and Methods

Participants Eligibility

A study of the efficacy of RG preparation in healthy athletes was conducted in National Team Training Center (Yerevan City, Armenia), with the approval of the National Family Medical Centre Ethics Committee (approval date: Jul 22, 2022). It is an extension of a comparative study of dissolution and pharmacokinetics

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Hovhannysyan AS, Hovhannysyan DN and Panossian AG: Study of Red Ginseng Preparation HRG80 for Relieving Muscle Pain/Soreness and Supporting the Neuromuscular Performance of Elite Weightlifters in Intense Resistance Exercise: An Open-Label, Randomized, Crossover Trial. Pharm Med Res 2023; 16(3): 102.



pharmaceuticals

Article

Efficacy of Panax ginseng Meyer Herbal Preparation HRG80 in Preventing and Mitigating Stress-Induced Failure of Cognitive Functions in Healthy Subjects: A Pilot, Randomized, Double-Blind, Placebo-Controlled Crossover Trial

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Abstract: Background: The aim of this pilot study was to compare the efficacy of hydroponically cultivated red Panax ginseng Meyer root preparation (HRG80) and traditionally harvested six-year-old white P. ginseng standard preparation (PGS) with placebo in preventing symptoms of stress. **Methods:** The effects of HRG80, PGS, and placebo capsules were studied in 50 tired healthy subjects in a three-arm, randomized, double-blind, placebo-controlled crossover trial. Efficacy-outcome measures included the accuracy of processing the d2 test for cognitive functions, obtained accuracy score in a computerized memory test, and the perceived-stress (PSS) score. Results: A statistically significant interaction effect between time and treatment ($p < 0.0001$) was observed in the attention d2 and memory tests, indicating that HRG80 treatment was more beneficial than that with a placebo. The effects of PGS were better than those of the placebo, but the difference was not statistically significant. There was a significant difference between the effects of HRG80 and PGS ($p < 0.0001$) that were observed after single (Day 1) and repeated administrations on Days 5 and 12 of treatment. When compared to that with the PGS, HRG80 treatment was more beneficial than that with a placebo.

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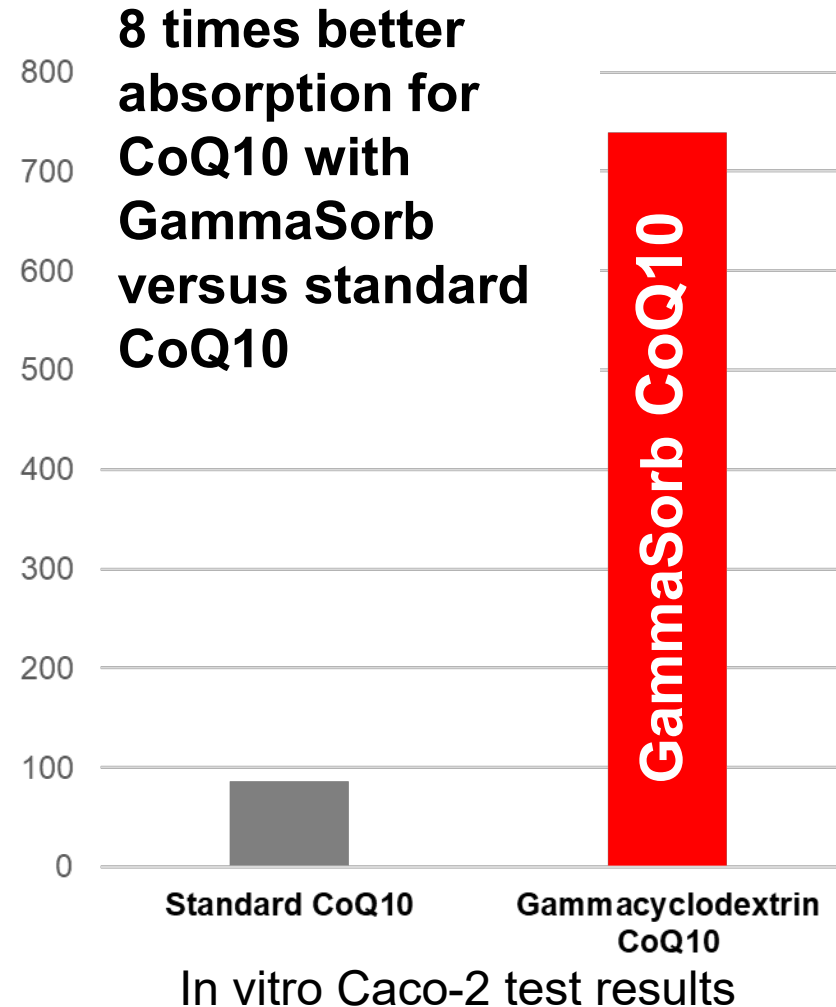
GammaSorb Boosted Absorption

**Improves
Absorption**

**Enhances
Solubility**

**Masks unpleasant
flavors and odors**

Enhances efficacy



**Packaging Design
Highlights GammaSorb**



**Look for the
Gold Band**



Red Ginseng Energy



- Ultra clean **HRG80** red ginseng
 - Grown without chemicals or pesticides
 - Full spectrum whole root
- Clinically studied
- Highest concentration of rare, noble ginsenosides
 - 7x more noble ginsenosides than conventional ginseng
- More bioavailable
 - Up to 17x more absorbable than conventional ginseng

Participants who experienced benefits in a clinical study featuring Red Ginseng, reported amazing results!

67% Increased Energy	48% Better Mental Clarity
46% Sleep Improvement	72% More Stamina



SUPPLEMENT FACTS		
Serving Size: 1 Chewable Tablet		
Servings Per Container: 30		
Amount Per 1 Chewable Tablet:		%DV
Calories	5	
Total Carbohydrate	2 g	<1%†
Total Sugars	0 g	
Sugar Alcohol (xylitol)	2 g	
Korean Red Ginseng (Panax ginseng) Root Powder (HRG80™) containing rare, noble ginsenosides	100 mg	**
** Daily Value (DV) not established.		
† Percent Daily Values (DV) are based on a 2,000 calorie diet.		

SUPPLEMENT FACTS		
Serving Size: 1 Capsule		
Servings Per Container: 30		
Amount Per 1 Capsule (Veg):		%DV
Korean Red Ginseng (Panax ginseng) Root Powder (HRG80™) containing rare, noble ginsenosides	200 mg	**
** Daily Value (DV) not established		

Recommendations: Take 1 capsule or chewable tablet daily. May increase to 1 capsule, twice daily. Results improve with continued use.

Don't Forget the Marketing Tools!

- 4x8 Brochure
- Poster
- Educational TTNs
- Book (MM9)

NEW RESEARCH

HRG80™ RED GINSENG

FOR ATTENTION, MEMORY, & STRESS REDUCTION*

Efficacy of Panax Ginseng Meyer Herbal Preparation HRG80 in Preventing and Mitigating Stress-Induced Failure of Cognitive Functions in Healthy Subjects: A Pilot, Randomized, Double-Blind, Placebo-Controlled Crossover Trial.

Moraga PA, Nohmikyuan A, Panossian AG. Pharmaceuticals 2020; 13:97.

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METHODS: The effects of HRG80, PGS, and placebo capsules were studied in 50 tired, healthy subjects in a three-arm, randomized, double-blind, placebo-controlled crossover trial. Efficacy-outcome measures included the accuracy of processing the d2 test for cognitive functions, obtained accuracy score in a computerized memory test, and the perceived stress (PS) score.

RESULTS: A statistically significant interaction effect between time and treatment ($p < 0.0001$) was observed in the attention d2 and memory tests, indicating that HRG80 treatment was more beneficial than that with a placebo. The effects of PGS were better than those of the placebo, but the difference was not statistically significant. There was significant difference between the effects of HRG80 and PGS ($p < 0.0001$) that were observed after single (Day 1) and repeated administrations on Days 5 and 12 of treatment.

CONCLUSION: Overall, HRG80 treatment was significantly superior compared to that with the PGS and placebo regarding attention, memory, and PS scores after single and repeated administrations for 5 and 12 days.

*Statistical result.

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**These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.

The Healing Power of RED GINSENG

Discover How Noble Ginsenosides from an Ultra-Clean Red Ginseng Extract Can:

- Boost Energy, Relieve Fatigue and Exhaustion
- Fight Cancer, Diabetes and Alzheimer's
- Enhance Sexual Performance

HRG80™
Red Ginseng Energy
7X More Powerful^{††}. Hydroponically Grown: Pesticide Free

HRG80™
Red Ginseng Energy
7X More Powerful^{††}. Hydroponically Grown: Pesticide Free

30 CAPSULES
DIETARY SUPPLEMENT | VEGAN

Mental and physical energy Resilience during stress- Focus and concentration*

*Compared to the use, red ginseng extract instead of a conventional ginseng. ††Compared to the use, red ginseng extract instead of a conventional ginseng. ††Compared to the use, red ginseng extract instead of a conventional ginseng. ††Compared to the use, red ginseng extract instead of a conventional ginseng.

WANT MORE ENERGY?*

7x Stronger Than Conventional Ginseng^{††}

HRG80™
Red Ginseng Energy
7X Stronger^{††}

CHEWABLE
GAMMA SORB Enhanced Absorption! Clinically Studied

30 CHEWABLE TABLETS
1 Month Supply
DIETARY SUPPLEMENT | VEGAN

CLINICALLY STUDIED
Participants who experienced benefits in a clinical study featuring **HRG80 red ginseng** reported amazing results!

67% Increased Energy*	48% Better Mental Clarity*	46% Sleep Improvement*	72% More Stamina*
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MONEY-BACK GUARANTEE

*Compared to the use, red ginseng extract instead of a conventional ginseng. ††Compared to the use, red ginseng extract instead of a conventional ginseng. ††Compared to the use, red ginseng extract instead of a conventional ginseng.

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