

RESEARCH ALERT

Available only through healthcare professionals.

A Study on Liposomal Glutathione

NEW RESEARCH ON LIPOSOMAL GLUTATHIONE

Clinical research presented at the 2015 ILADS medical conference demonstrated red blood cell absorption, increased natural killer cell function & reduced oxidative stress.

This study, conducted at Penn State University, measured the efficacy of Researched Nutritionals' Tri-Fortify™ Orange liposomal glutathione. The product is formulated to promote healthy intracellular glutathione levels and natural killer cell function.

Healthy patients with glutathione levels at the low end of the normal range were included in the study. The patients were divided into two groups, one taking one serving (450mg) per day and the other taking two servings (900mg) per day. Both groups performed fairly close to one another so the results shown below are the combined impact, with a p-value of <0.05.

BACKGROUND

Glutathione is a tri-peptide, composed of the three amino acids: L-glutamic acid, L-cysteine and L-glycine. Healthy glutathione level plays a significant role in promoting normal:

- ▶ Detoxification
- ▶ Immune Response
- ▶ Antioxidant Action

Glutathione is required to maintain the normal function of the liver and to protect DNA, proteins & mitochondria against oxidative stress, while supporting NK cell function & lymphocyte (white blood cell) proliferation.

Researchers and clinicians view red blood cell absorption as essential for the body to achieve the benefits of exogenous glutathione supplementation.

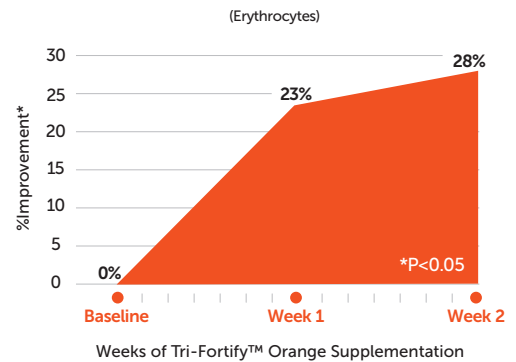
RESEARCH RESULTS

After two weeks of daily oral liposomal glutathione supplementation:

- ▶ Red blood cell levels (erythrocytes) increased 28% over the baseline.
- ▶ Natural Killer Cell function increased by 400% over the baseline.
- ▶ Oxidative stress, (as measured by lipid peroxidation) decreased by 25%

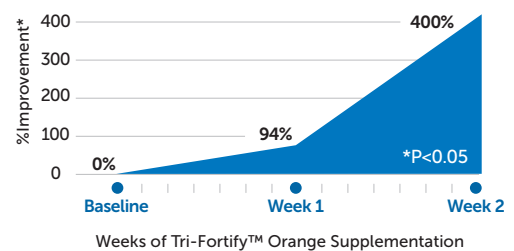
GLUTATHIONE LEVELS

Increase in Red Blood Cell Levels



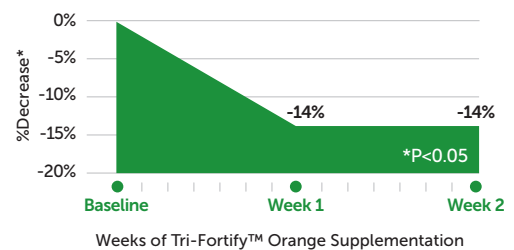
IMMUNE FUNCTION

Natural Killer Cell Activity

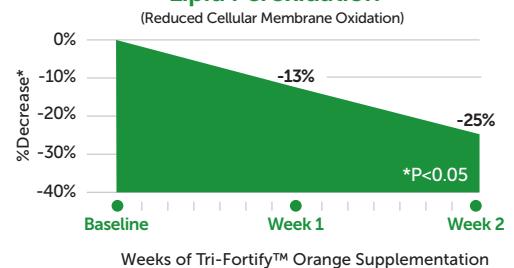


OXIDATIVE STRESS MARKERS

Oxidized / Reduced GSH



Lipid Peroxidation



* 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.



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20 Pack of Single Servings
Product No. RN138

48 Servings
Product No. RN136

Tri-Fortify™ Orange

Oral Liposomal Glutathione + Vitamin C

Supplement Facts		
Serving Size: 1 teaspoon (5 mL)		
Servings per Container: Approx. 48		
	Amount Per Serving	% Daily Value
Glutathione	450 mg	*
Vitamin C (Ascorbic Acid)	50 mg	83%

* Daily Value not established.

CLINICAL RESEARCH UPDATE:
SEE BACK FOR DETAILS →

OTHER INGREDIENTS: Glycerin, Phospholipids (GMO-free soy), Medium Chain Triglycerides, Natural Orange Flavor

FREE OF: milk, egg, fish, peanuts, crustacean shellfish, tree nuts, wheat, yeast, gluten, casein & sugar. **Liposome (outer portion of delivery system) is partially derived from soy.**

Special Dietary Usefulness

Under a physician's direction, Tri-Fortify™ Orange may have special dietary usefulness for individuals in need of detoxification, immune and antioxidant support.

Features & Benefits

Tri-Fortify™ Orange with Vitamin C provides the preferred reduced L-glutathione, the major

intracellular antioxidant essential for detoxification in the body, in an absorbable liposomal delivery system. The unique liposome structure allows it to combine effectively with the body's natural fluids and penetrate its protective membranes, bypassing the digestive system and directly entering the blood stream. By avoiding the process of digestion,

nutrient absorption and utilization is much quicker and more complete. Glutathione and Vitamin C are encased within liposomes, and natural orange flavoring is added to provide the patient with a pleasant tasting gel that makes for easy swallowing and no need to mix in juice. Just squeeze onto spoon & enjoy.

Each Serving Includes:

Features	Constituents/Actions	Benefits*
Bolsters Antioxidant Action	<ul style="list-style-type: none"> Glutathione is a tri-peptide composed of the three amino acids L-glutamic acid, L-cysteine and L-glycine 	<ul style="list-style-type: none"> Known as the master antioxidant because it recycles other antioxidants, such as vitamins C and E As glutathione exists within the cells, it is in a prime position to neutralize free radicals, which can build up in cells and cause damage The strong antioxidant effect of glutathione helps keep cells running smoothly
Promotes Detoxification	<ul style="list-style-type: none"> Glutathione also helps the liver remove chemicals that are foreign (xenobiotics) to the body, such as drugs and pollutants Highest amounts of glutathione are found in the liver and kidneys, which are responsible for the removal of toxic components Glutathione is also present in high amounts in the lung lining 	<ul style="list-style-type: none"> Unique ability to bind to toxins, heavy metals, solvents, and pesticides - and helps the body excrete these substances in either urine or bile Protects against airborne pollutants, and in the intestinal lining, where it bars the absorption of industrial chemicals
Fortifies Immune System	<ul style="list-style-type: none"> Glutathione is required to maintain the normal function of the immune system 	<ul style="list-style-type: none"> Plays a critical role in the proper function of white blood cells, including T cell lymphocytes and the multiplication of lymphocytes (the cells that mediate specific immunity) Adequate function of white blood cells is essential in mounting an effective immune response Many chronically ill patients have depleted levels of glutathione

Heat Stable

We subjected Tri-Fortify™ Orange to 104 °F/40 °C and 75% Humidity for 90 consecutive days and the product still exceeded label claim.

Suggested Use

As a dietary supplement, before meals gently squeeze the tube to fill 1 teaspoon (5 mL), or open a single serving packet. Hold under tongue for 30-60 seconds and then swallow, or use as directed by your healthcare professional. Additional doses may be taken before other meals as well.

Cautions

Pregnant women and children under 12 consult health care professional before use.

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