

Glutathione with Vitamin C

(Hypoallergenic)



Item # 50140

Available in bottles of 60 capsules

The Possible Benefits of Glutathione with Vitamin C, a Dietary Supplement

- Supports liver function and detoxification of chemicals, radiation, alcohol, and many environmental pollutants*
- Provides support for important phase II liver detoxification*
- Helps prevent free radical damage throughout the body*
- Supports the body's immune response*

Description

Glutathione with Vitamin C is a combination of two of the body's premier antioxidant nutrients that are also its premier antioxidants. Reduced glutathione, a thiol antioxidant nutrient, is a major water-phase antioxidant inside the cell, while Vitamin C (ascorbate) is a major water-phase antioxidant outside the cell. The liver is the body's main detoxification organ; it reacts potentially toxic foreign chemicals such as bromobenzene, carbon tetrachloride and acetaminophen together with water-soluble antioxidants to render them water-soluble, then excretes them mainly via the bile and the urine.* Ascorbate supports the action of glutathione by keeping it in the beneficial reduced form. Glutathione, in return, spares vitamin C. In the liver, the nutrients in Glutathione with Vitamin C support primarily phase II detoxification.*

Vitamin C is the body's most important water-soluble antioxidant nutrient. It is stored in tissues throughout the body, and is especially concentrated in the adrenal glands. The human body can not manufacture vitamin C, as happens in

most other mammals, so we must get our daily amount from food or nutritional supplements.

Vitamin C is involved in a variety of biochemical reactions, including detoxification and inflammation processes, white blood cell production, the reduction of glutathione, and the metabolism and protection of several other nutrients.* Vitamin C prevents free radical damage through its antioxidant activity.* Its molecular structure allows it to donate hydrogen atoms from two hydroxyl positions to neutralize free radicals. Vitamin C is also crucial for the production of adrenal hormones involved in responding to stress.* Through its effect on histamine release and degradation (anti-histamine effect), vitamin C helps in the control of some inflammatory reactions.* It is also involved in detoxifying heavy metals such as lead, cadmium, mercury and nickel.*

Vitamin C is important in the structure and function of the immune and cardiovascular systems, in maintaining bone mineral density, and in the

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production of some neurotransmitters.* Vitamin C is also crucial for the structure of the body, since it is an essential cofactor for collagen synthesis.* Collagen imparts strength to connective tissue throughout the body. Elastin in the skin is also dependent on sufficient vitamin C.* And of course, a deficiency of Vitamin C has long been known to be involved with incidence of scurvy.*

Glutathione is a powerful tripeptide antioxidant that inhibits the formation of free radicals, and is thought to be the most important cellular antioxidant. It is a key nutritional component in liver detoxification pathways, and has been shown to protect against damage from cigarette smoke, radiation, chemotherapy,

and X-rays, through its ability to protect the mitochondria, cellular nuclear structures, lung tissue, skeletal muscle, and the lens of the eye.* Glutathione spares vitamin C and can assist in detoxification from alcohol, heavy metals, and toxic chemicals.* Glutathione is also involved in the regulation of DNA repair.*

Glutathione has been shown to reduce homocysteine levels, thus potentially supporting cardiovascular health.* A Taiwanese study found that both vitamin C and glutathione, along with N-acetyl-L-cysteine, a precursor to glutathione, were instrumental in the maintenance of oral mucosal health among betel quid chewers.*

Serving Size: 1 capsule

Servings Per Container: 60

Amount Per Serving:

Vitamin C (as Ascorbic Acid)

200 mg

L-Glutathione (reduced)

200 mg

Other ingredients: Hydroxypropyl methylcellulose, stearic acid, silicon dioxide.

Suggested Use: As a dietary supplement, 1 capsule one to three times daily between meals, or as directed by a healthcare practitioner.

References

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