

Vitamin C 1000

with Bioflavonoids



Clinically proven and patented form of Vitamin C that is rapidly absorbed, plus citrus bioflavonoids for greater effectiveness

APPLICATIONS / BENEFITS

- Formulated with naturally derived lipid metabolites (fatty acids from vegetable waxes) to enhance absorption and retention
- Powerful antioxidant and free radical scavenger
- Provides immune defense
- Supports healthy vascular function
- Assists with iron absorption and red blood cell formation

OVERVIEW

Patient One Vitamin C 1000 supplies 1000 mg of all natural C-lipid metabolites, along with 200 mg of citrus bioflavonoids. As Vitamin C is a water soluable vitamin that the body does not make or store, our advanced formula uses a special delivery system that allows the vitamin C to be more rapidly absorbed and retained by the body. Ascorbic acid is combined with lipid metabolites, fat-soluble compounds that increase vitamin C's function in the body. Bioflavonoids, polyphenolic compounds found in plants such as vitamin C-rich citrus fruit, are included to complement the activities of Vitamin C.

Sufficient intake and retention is necessary to maintain vitamin C status in the body. Factors that increase the human requirement for this essential nutrient include stress, smoking, pollution, radiation and heavy metal exposure, and immune challenges. The Institute of Medicine has recommended an increase in Vitamin C requirements for smokers due to their exposure to toxins and oxidative elements in cigarette smoke.

KEY INGREDIENTS

Vitamin C supports a diverse range of bodily functions, including immune stimulation and protection, vascular function and synthesis of collagen, carnitine, and neurotransmitters. It is used in the growth and repair of tissue throughout the body and is a powerful antioxidant that helps neutralize free radicals.

Vitamin C has been widely studied and is commonly known for its role in moderating the severity or duration of acute immune challenges. Its essential role in the formation of collagen makes it crucial in maintaining skin, gum, capillary, joint and skeletal health. Vitamin C is important in energy production, as synthesis of carnitine is dependent upon this nutrient. Because it is necessary for the conversion of dopamine to norepinephrine, Vitamin C assists in maintaining healthy mood and brain function. Vitamin C also plays a role in the deactivation of histamine.

Our formula includes citrus bioflavonoids, phytonutrients that are vital for proper absorption of Vitamin C. Studies have shown their ability to enhance and prolong the action of vitamin C.

RESEARCH

• Comparative research studies in vitro and in humans demonstrate that this patented form of vitamin C is more rapidly absorbed and leads to higher plasma and cellular levels, having faster and more beneficial effects than ascorbic acid, calcium ascorbate and other ascorbate products. These benefits include better stimulation of neurite outgrowth, increased fibroblast wound healing activities, increased protection of the immune system from xenobiotic induced inflammatory mechanisms, and greater reduction of plasma levels of C-reactive protein and oxidized LDL, as well as more potent antioxidant and free radical scavenging capabilities. [Med Sci Monit 2007;13(3): BR51-58; Med Sci Monit 2007: 13(10) and additional unpublished studies]

REFERENCES

- A novel vitamin C preparation enhances neurite formation and reduces fibroblast adhesion and xenobiotic-induced hyperactivation.Med Sci Monit, 2007; 13(3): BR51-58). PMID: 17325628
- 2. Weeks BS, Perez PP. Absorption rates and free radical scavenging values of vitamin C-lipid metabolites in human lymphoblastic cells. Med Sci Monit. 2007;13(10):BR205-210. PMID: 17901843
- 3. Vinson, J.A. & Bose, P. Comparative bioavailability to humans of ascorbic acid alone or in a citrus extract. American Journal of Clinical Nutrition. 1988; volume 48: pages 501-604. PMID: 3414575
- 4. Wintergerst ES, Maggini S, Hornig DH. Immune-enhancing role of vitamin C and zinc and effect on clinical conditions. Ann Nutr Metab. 2006;50(2):85-94. [PMID: 16373990]
- 5. Hemila H, Douglas RM. Vitamin C and acute respiratory infections. Int J Tuberc Lung Dis. 1999 Sep;3(9):756-61.
- 6. NIH Office of Dietary Supplements. Dietary Supplement Fact Sheet: Vitamin C. http://ods.od.nih.gov/factsheets/VitaminC-HealthProfessional
- 7. MacKay D, Miller AL. Nutritional support for wound healing. Altern Med Rev. 2003 Nov;8(4):359-77. [PMID: 14653765]
- 8. Linus Pauling Institute. Vitamin C. http://lpi. oregonstate.edu/infocenter/vitamins/vitaminC/.
- 9. Johnston CS. The antihistamine action of ascorbic acid. Subcell Biochem. 1996;25:189-213. [PMID: 8821975]
- 10. Strohle A, Wolters M, Hahn A. Micronutrients at the interface between inflammation and infection—ascorbic acid and calciferol: part 1, general overview with a focus on ascorbic acid. Inflamm Allergy Drug Targets. 2011 Feb;10(1):54-63. [PMID: 21184650]
- 11. Hemila, Harri. "Vitamin C And Plasma Cholesterol." Food Science and Nutrition (1992): 33-57.
- 12. Ginter, Emil. "Marginal Vitamin C Deficiency, Lipid Metabolism, and Atherogenesis." Advances in Lipid Research (1978): 167-220.
- 13. Afkhami-Ardekani, Mohammad, and Ahmad Shojaoddiny-Ardekani. "Effects of Vitamin C on Blood Glucose, Serum Lipids and Serum Insulin in Type 2 Diabetes Patients." Indian J Med Research (2006): 471-74.
- 14. Pancorbo, Dario, Carlos Vazquez, and Mary Ann Fletcher. "Vitamin C-lipid Metabolites: Uptake and Retention and Effect on Plasma C-reactive Protein and Oxidized LDL Levels in Healthy Volunteers." Medical Science Monitor
- 15. Ginter, Emil. "Vitamin C Deficiency, Cholesterol Metabolism and Atherosclerosis." Institute of Preventative and Clinical Medicine (n.d.): 166-73.

Supplement Facts

Serving Size: 1 Tablet

Amount Per Serving

% DV*

Vitamin C [from proprietary formulation 1000 mg 1111% of ascorbic acid USP combined with lipid metabolites (fatty acids) from vegetable waxes]

Citrus Bioflavonoid Complex [50% total bioflavonoids]

200 mg

- Daily Values are based on a 2,000 calorie diet
- ** Daily Value not established

Other Ingredients: stearic acid, microcrystalline cellulose, calcium palmitate, croscarmellose sodium, silica, food glaze

Free of: milk, egg, fish, peanuts, crustacean shellfish, soy, tree nuts, wheat, yeast and gluten. Free of ingredients derived from GMOs.

Suggested Use: Take 1 tablet one to two times daily, in divided doses preferably with meals, as a dietary supplement or as directed by your health practitioner. Store in a cool, dry place.

Caution: If you are pregnant, nursing, or taking any medications, consult your health practitioner before use. Discontinue use and consult your health practitioner if any adverse reactions occur. Keep out of reach of children.

Vegetarian

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Gluten Free

Non-GMO



The statements in this document have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure, or prevent any disease.



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