

Calscorbplex

DESCRIPTION

Calscorbplex, provided by Douglas Laboratories, supplies 4,000 mg of vitamin C from calcium, magnesium potassium and zinc ascorbates per each heaping teaspoon.

FUNCTIONS

Vitamin C (ascorbic acid) has numerous biological functions. Foremost, it is essential for the synthesis of collagen and glycosaminoglycans which are the building materials of all connective tissues, such as skin, blood vessels, tendons, joint cartilage and bone. Vitamin C is the required coenzyme for two groups of enzymes that catalyze the crosslinking of collagen fibers - lysyl hydroxylases and prolyl hydroxylases. As such, vitamin C is essential for normal wound healing and capillary health. It also participates in the biosynthesis of carnitine, serotonin, and certain neurotransmitters, including norepinephrine.

Vitamin C is among the most powerful antioxidants in humans and animals. It is a water-soluble, chain-breaking antioxidant that reacts directly with superoxide, hydroxyl radicals, and singlet oxygen. Laboratory studies show that vitamin C completely protects lipids in plasma and low-density lipoprotein (LDL) against atherogenic peroxidative damage. In addition, vitamin C interacts with glutathione and alpha-lipoic acid, and regenerates vitamin E. The antioxidant functions of vitamin C appear to have clinical significance in providing protection from free radical damage to the eyes, lungs, blood and the immune system.

Vitamin C is absorbed in the small intestine by a sodium-dependent transport process that is intake dependent. At normal dietary intakes of 60 to 100 mg, up to 80 or 90% of the vitamin C is absorbed. At higher intakes, absorption becomes less efficient. Absorption efficiency and vitamin C utilization may be greatly enhanced during conditions of physiological stress, such as trauma or infection.

INDICATIONS

Calscorbplex may be a useful dietary supplement for individuals wishing to supplement their diet with vitamin C.

FORMULA (#7145)

Each Heaping Teaspoon Contains:

Vitamin C	4,000 mg
(from calcium, magnesium, potassium and zinc ascorbates)	
Calcium (From calcium Ascorbate)	490 mg
Zinc (from Zinc Ascorbate)	6 mg
Magnesium (from Magnesium Ascorbate) .	4.5 mg
Potassium (from Potassium Ascorbate)	2 mg

SUGGESTED USE

Adults take ½-1 heaping teaspoon daily mixed with water or as directed by a physician.

SIDE EFFECTS

No adverse side effects reported..

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

- Ascherio A, Rimm EB, Hernan MA, et al. Relation of consumption of vitamin E, vitamin C, and carotenoids to risk for stroke among men in the United States. *Ann Intern Med* 1999;130:963-70.
- Brennan LA, Morris GM, Wasson GR, et al. The effect of vitamin C or vitamin E supplementation on basal and H2O2- induced DNA damage in human lymphocytes. *Br J Nutr* 2000;84:195-202.
- Hamilton IM, Gilmore WS, Benzie IF, et al. Interactions between vitamins C and E in human subjects. *Br J Nutr* 2000;84:261-7.
- Masaki KH, Losonczy KG, Izmirlian G, et al. Association of vitamin E and C supplement use with cognitive function and dementia in elderly men. *Neurology* 2000;54:1265-72.
- Otsuka M, Matsuzawa M, Ha TY, et al. Contribution of a high dose of L-ascorbic acid to carnitine synthesis in guinea pigs fed high-fat diets. *J Nutr Sci Vitaminol (Tokyo)* 1999;45:163-71.

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**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.**

**Manufactured by
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