# Vitamin C

# 1000 mg with Bioflavonoid Complex



# **DESCRIPTION**

Vitamin C 1000 mg contains vitamin C (ascorbic acid) with an additional bioflavonoid complex.

# **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. Vitamin C 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 watersoluble, 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. Maximal absorption is attained by the ingestion of several doses spaced throughout the day rather than in one, larger dose.

### **INDICATIONS**

Vitamin C 1000 mg may be a useful dietary supplement for those who wish to increase their daily intake of this antioxidant vitamin.

# FORMULA (WW #10154)

#### 1 Capsule Contains:

Vitamin C (ascorbic acid)	. 1,000 mg
Citrus bioflavonoid complex	50 mg
Other Ingredients: capsule (gelatin and water)	, rice powder,
magnesium stearate, and silica	

This product contains NO sugar, salt, dairy, yeast, wheat, gluten, corn, soy, preservatives, artificial colors or flavors.

# **SUGGESTED USE**

Adults take 1 capsule 1 to 2 times daily with meals or as directed by a healthcare professional.

# SIDE EFFECTS

No adverse effects have been reported.

#### **STORAGE**

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

#### **REFERENCES**

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