

Beta-Carotene Dry Capsules

DESCRIPTION

Beta-Carotene dry capsules, as provided by Douglas Laboratories, contain pure, synthetically-derived beta-carotene. Each capsule provides 25,000 I.U. vitamin A activity.

FUNCTIONS

Beta-carotene is a safe precursor of vitamin A. Human intestinal enzymes convert dietary beta-carotene into active vitamin A. The extent of this conversion appears to be based on the need for vitamin A since even very large amounts of beta-carotene do not increase plasma or liver vitamin A levels above normal. One milligram of beta-carotene provides 1,667 I.U. of vitamin A activity. Beta-carotene not converted to vitamin A is absorbed intact and has other functions in the body.

Beta-carotene is an important antioxidant nutrient that protects healthy cells from oxidative and free radical damage. Free radicals are unstable chemicals formed in the body during metabolism and from exposure to environmental sources such as pollution and cigarette smoke. Free radicals are necessary for energy metabolism and immune function, but when an excessive number of free radicals are formed, they can attack healthy cells, especially their membrane lipids and proteins. This, in turn, is thought to contribute to a number of degenerative diseases.

Beta-carotene efficiently quenches a chemically reactive species of oxygen called singlet oxygen. Singlet oxygen participates in oxidative reactions which can impair or destroy important cellular components, such as membranes, nucleic acids (DNA), and enzymes. In addition, singlet oxygen reactions can generate free radicals which lead to further damage. Beta-carotene's long, conjugated molecule can absorb the energy of singlet oxygen and release it safely as heat. In the process, singlet oxygen is converted to less dangerous, regular oxygen. One molecule of beta-carotene can quench about a thousand molecules of singlet oxygen. Numerous studies have demonstrated the importance of beta-carotene for normal immune function. The immune benefits of beta-carotene are due to its vitamin A precursor role and its antioxidant functions.

Beta-carotene is present in selected fruits and vegetables such as carrots, sweet potatoes, and green leafy vegetables. The U.S. Department of Agriculture and the National Cancer Institute recommend an intake of 5 mg (8,335 I.U.) or more of beta-carotene. Unfortunately, most diets provide only 1-2 mg (1,667 - 3,334 I.U.) per day.

INDICATIONS

Beta-carotene may be a useful dietary supplement for those who wish to increase their daily beta-carotene intake.

FORMULA (#7857)

Each Capsule Contains:

25,000 I.U. of Vitamin A Activity from 15 mg Beta-Carotene.

SUGGESTED USE

Adults take 1 capsule daily or as directed by physician.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

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

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For more information on Beta-Carotene Dry Capsules visit douglaslabs.com

† 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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Your patients trust you.**

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