Perfect E



DESCRIPTION

Perfect E features the complete family of vitamin E compounds. Until recently, most vitamin E supplements only contained alpha-tocopherol – one of the most active forms of vitamin E. But research has demonstrated the importance of consuming the entire family of vitamin E compounds.

FUNCTIONS

Vitamin E is a collective name for a group of eight different compounds; alpha, beta, gamma and delta-tocopherol and alpha, beta, gamma and delta-tocotrienol. Until recently, research on vitamin E has focused on alpha-tocopherol but research shows that taking several different isomers of this vitamin is better than taking any singularly. In addition, high intakes of alpha-tocopherol can decrease tocotrienols in the body; hence the importance of taking both forms. Although alpha-tocopherol is well known as an antioxidant, tocotrienols have additional biochemical and physiological effects that benefit the body. As an example, unlike alpha-tocopherol, gamma-tocopherol has the ability to protect against nitrogenbased free radicals. This type of free radical plays an important role in diseases associated with chronic inflammation. Tocotrienols have been shown to support normal, healthy cholesterol level through its effect on HMG-CoA reductase enzyme. They have also been shown to support, normal blood clotting and normal, healthy cell growth.

INDICATIONS

Vitamin E is an important nutrient derived from the diet. Perfect E provides a complete blend of vitamin E compounds that may be lacking in the diet or for those who wish to support normal, healthy cardiovascular health.

FORMULA (WW #10250)

Softgel Capsule Contains:	
Vitamin E	
(as d-alpha tocopherol)	
Mixed Tocopherols	
d-gamma tocopherol	
d-delta tocopherol	
d-beta tocopherol	
Cocotrienols (from palm)	
Gamma tocotrienol	
Delta tocotrienol	
Alpha tocotrienol	
Beta tocotrienol	
Other ingredients: gelatin, glycerin, and water. Contains	soy.

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

SUGGESTED USE

Adults take 1 softgel capsule 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

Cerecetto H, López GV (March 2007). "Antioxidants derived from vitamin E: an overview". Mini Reviews in Medicinal Chemistry 7 (3): 315–38.

Jiang Q, Christen S, Shigenaga MK, Ames BN. gamma-tocopherol, the major form of vitamin E in the US diet, deserves more attention. Am J Clin Nutr. 2001 Dec;74(6):714-22

Ikeda S, Tohyama T, Yoshimura H, Hamamura K, Abe K, Yamashita K (February 2003). "Dietary alpha-tocopherol decreases alpha-tocotrienol but not gamma-tocotrienol concentration in rats". J. Nutr. 133 (2): 428–34.

Christen S, Woodall AA, Shigenaga MK, Southwell-Keely PT, Duncan MW, Ames BN. gamma-tocopherol traps mutagenic electrophiles such as NO(X) and complements alpha-tocopherol: physiological implications. Proc Natl Acad Sci U S A. 1997 Apr 1;94(7):3217-22.

Qureshi AA, Pearce BC, Nor RM, Gapor A, Peterson DM, Elson CE (February 1996). "Dietary alpha-tocopherol attenuates the impact of gamma-tocotrienol on hepatic 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in chickens". The Journal of Nutrition 126 (2): 389–94.

Shu-Ping Lee, Guang-Yuan Mar and Lean-Teik Ng (2009). Effects of tocotrienol-rich fraction on exercise endurance capacity and oxidative stress in forced swimming rats. European Journal of Applied Physiology (Epub ahead of print) DOI 10.1007/s00421-009-1159-6.

Maniam S, Mohamed N, Shuid AN, Soelaiman IN (2008). Palm tocotrienol exerted better antioxidant activities in bone than alpha-tocopherol. Basic & Clinical Pharmacology & Toxicology, 103, 55-60.

Ajuluchukwu JN, Okubadejo NU, Mabayoje M, Ojini FI, Okwudiafor RN, Mbakwem AC, Fasanmade OA, Oke DA. (2007) Comparative study of the effect of tocotrienols and -tocopherol on fasting serum lipid profiles in patients with mild hypercholesterolaemia: a preliminary report. Nigerian Postgraduate Medical Journal 14(1):30-3.

Minhajuddin M, Beg ZH, Iqbal J (2005) Hypolipidemic and antioxidant properties of tocotrienol rich fraction isolated from rice bran oil in experimentally induced hyperlipidemic rats. Food and Chemical Toxicolology 43(5):747-53.

Baliarsingh S, Beg ZH, Ahmad J. (2005) The therapeutic impacts of tocotrienols in type 2 diabetic patients with hyperlipidemia. Atherosclerosis 182(2):367-74.

Rasool AH, Rahman AR, Yuen KH, Wong AR (2008). Arterial compliance and vitamin E blood levels with a self emulsifying preparation of tocotrienol rich vitamin E. Arch Pharm Res. 31(9):1212-7.

Das M, Das S, Wang P, Powell SR, Das DK (2008). Caveolin and proteasome in tocotrienol mediated myocardial protection. Cell Physiol Biochem 2008: 22:287-294. Das S, Lekli I, Das M, Szanp G, Varado J, Juhasz B, Bak I, Nesaretnam K, Tosaki A, Powell SR, Das DK. (2008) Cardioprotection with palm oil tocotrienols: comparision of different isomers. Am J Physiol Heart Circ Physiol 294: H970-H978

Manufactured For:

Fireside Pharmacy 73847 Hwy III Palm Desert, CA 92260 760.346.1113