

Product Information for Doctors and Health Professionals.
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ENZO:PROFESSIONAL

Enzogenol® Pine Bark Extract : Oxidative Stress



Nutritional Benefits

Enzogenol® is a highly concentrated flavonoid extract supporting the maintenance of healthy oxidation levels in the body. Enzogenol® supports cardiovascular, anti-inflammatory/auto-immune and neurological/brain health. High dietary intake of flavonoids is associated lower risk of chronic diseases.

Oxidative stress plays an important role in the aging process and is involved in development and progression of numerous diseases.

When under oxidative stress our body's defenses are overwhelmed by the production of free radicals arising from inflammation, cytotoxic treatments like chemo- and radiotherapy, metabolism, exercise, or environmental factors like smoking, pollution, and UV rays.

The resulting oxidation damages molecules in our cells including lipids, proteins and DNA, and can in turn destroy cellular functions, and lead to mutations.

Loss in cell function leads to loss in organ function which contributes to the development of chronic diseases, exacerbates existing conditions, and generally ages our body.



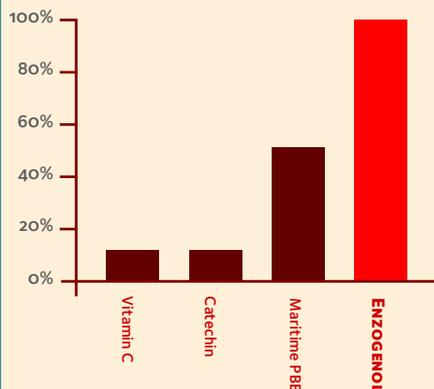
Antioxidant Activity Levels:

Research has compared the antioxidant activity of Enzogenol with that of vitamin C, catechin and Maritime pine bark extract demonstrating that Enzogenol is the stronger antioxidant by far.

Wood et al. 2002. Antioxidant activity of procyanidin-containing plant extracts at different pHs.

Food Chemistry 77, p155.

Antioxidant Activity Comparison

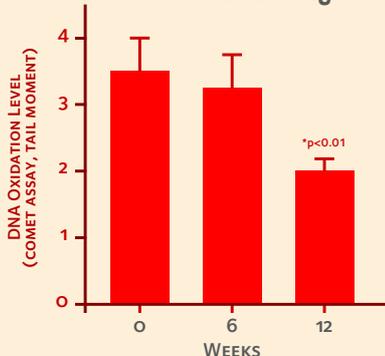


Nutrition Research: Two studies in people have shown how Enzogenol protects our body from oxidation. The studies showed significant reductions in oxidation, measured as levels of protein oxidation in the blood plasma and DNA damage in leukocytes. After only 6 weeks of taking 2 capsules a day of ENZO Professional oxidation levels were significant reduced by approximately 40%.

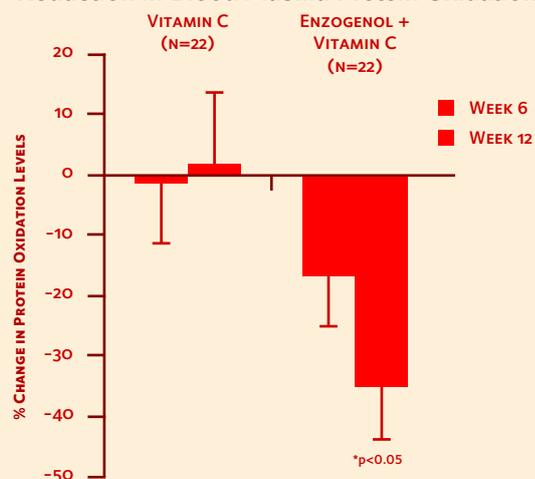
1) Senthilmohan et al. 2003. Nutrition Research 23, p1199.

2) Young et al. 2006. Free Radical Research 40, p85.

Reduction in DNA Damage¹



Reduction in Blood Plasma Protein Oxidation²



ENZO Professional

Other ingredients:
 Vegetable cellulose capsule, Tapioca starch
 Suitable for Vegetarians, Diabetics.

Supplement facts: per cap

Enzogenol® (Extract of *Pinus radiata* bark) **240 mg**

Vitamin C (as ascorbic acid) **30 mg**

For more info please contact Dr. Matt Frevel, Chief Scientist, ENZO Nutraceuticals: mattfrevel@enzo.co.nz, ph +64 21581933