

Cardio-Edge®

Sytrinol™, Plant Sterols and Pomegranate extract for cardiovascular health

DESCRIPTION

Cardio-Edge® continues Douglas Laboratories' tradition of providing unique, exclusive and scientifically substantiated products to health professionals. Cardio-Edge supplies Sytrinol™ (a patented combination of polymethoxylated flavones from citrus fruit and tocotrienols from palm), plant sterols, and standardized pomegranate extract to help support cardiovascular health and normal cholesterol metabolism.

FUNCTIONS

Sytrinol™ - A unique and powerful ingredient for maintaining already healthy cholesterol health†

The healthful effects of both bioflavonoids as well as tocotrienols have been recognized for years. Sytrinol provides a patented and well-researched combination of flavonoids derived from the peel of tangerines and tocotrienols derived palm. Within the peel of certain fruits, compounds belonging to a class of flavonoids called polymethoxylated flavones can be found. These compounds are similar in structure to flavones, but contain additional methyl groups on their ring structure, giving them the name polymethoxylated flavones – also known as PMFs. The primary PMFs present in Sytrinol are nobiletin and tangeretin. Science on PMFs dates back to the 1960s on their antioxidant properties. Specifically, with respect to cholesterol metabolism, PMFs have been shown to support normal levels of triglycerides and apolipoprotein B, the structural protein needed for the synthesis of LDL-cholesterol¹. Nobiletin and tangeretin have also been shown to help maintain healthy diacylglycerol acetyl transferase, an enzyme in the liver involved in the synthesis of triglycerides⁴. In addition to PMFs, Sytrinol contains tocotrienols derived from palm. Tocotrienols, a group of compounds belonging to the vitamin E family, have also been studied over the years for their ability to act as antioxidants and to help support cardiovascular health. Tocotrienols have been shown to support the body's normal production of HMG-CoA reductase, the hepatic enzyme responsible for the rate limiting step in the synthesis of cholesterol³. Consequently, the combined action of the PMFs and tocotrienols contained in Sytrinol

results in a powerful synergistic action to support cardiovascular health. This effect has been confirmed in both animal as well as human studies¹⁻⁴.

Plant Sterols

Plant sterols are naturally occurring plant compounds that have structures similar to, yet slightly different from cholesterol. Typical plant sterols are compounds such as β -sitosterol, campesterol, and stigmasterol and can be found in vegetables, fruits, legumes, nuts, grains and certain types of oils. Research has shown that these compounds compete with the absorption of dietary cholesterol as well as inhibit the re-absorption of endogenous cholesterol in the gastrointestinal tract⁵. Supplementation with plant sterols can significantly lower cholesterol levels and have been shown to work synergistically with other therapies for lowering cholesterol⁶. Numerous foods including orange juice, rice drink, and margarine now incorporate plant sterols, or sterol esters. Increasingly, dietary supplements are now incorporating plant sterols and using the health claim that has been allowed for products containing at least 800 mg of plant sterols daily. The addition of plant sterols to Cardio-Edge® provides yet another mechanism by which already healthy cholesterol levels can be maintained.

Pomegranate

Recent science has been focusing on the cardio protective aspects of pomegranate. These brightly colored fruits contains numerous compounds known for their antioxidant capabilities, including anthocyanidins, catechins, tannis, and gallic and ellagic acids. Research has shown that supplementation with pomegranate juice can decrease macrophage lipid accumulation, and cellular cholesterol accumulation in mice⁷. Recently, research in humans has confirmed a beneficial effect of consuming pomegranate juice on parameters such as LDL oxidation, blood pressure, and blood vessel health⁸.

The combination of Sytrinol, plant sterols, and pomegranate extract present in Cardio-Edge® results in a formula that embodies the most recent science to help maintain cardiovascular health and support already healthy cholesterol levels.

INDICATIONS

Cardio-Edge® may be a useful dietary adjunct for individuals wishing to supplement their diets with a unique formula to help support normal cholesterol and cardiovascular health. *(continued on reverse)*

FORMULA (#99134)

2 vegetarian capsules contain:

Plant Sterols (Phytosterols)	400	mg
Sytrinol™	150	mg
(proprietary blend of polymethoxylated flavones and tocotrienols from citrus and palm fruits)		
Standardized Pomegranate Extract (Fruit) ...	50	mg
(Standardized to 40% ellagic acid)		

SUGGESTED USE

Adults take 2 capsules, twice daily with meals or as directed by physician.

SIDE EFFECTS

No adverse side effects reported.

STORAGE

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

REFERENCES

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Douglas Laboratories is the exclusive provider of Sytrinol™ to health professionals.

† 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.