

## **Cardio-Edge™**

### **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 apolipoprotein B, the structural protein needed for the synthesis of LDL-cholesterol. Nobiletin and tangeretin have also been shown to help in the synthesis of triglycerides. 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 cholesterol. 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 studies.

Plant sterols are naturally occurring plant compounds that have structures similar to, yet slightly different from cholesterol. Typical plant sterols are compounds such as  $\beta$ -sitosterol, campesterol, and stigmasterol and can be found in vegetables, fruits, legumes, nuts, grains and certain oils. Research has shown that these compounds compete with the absorption of dietary cholesterol as well as inhibit the reabsorption of endogenous cholesterol in the gastrointestinal tract. Supplementation with plant sterols have shown to support already healthy cholesterol levels. 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.

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, tannins, and gallic and ellagic acids. Recently, pomegranate has demonstrated supportive effects on cardiovascular, blood lipid and blood vessel health in humans.

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

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#### 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 a healthcare professional.

#### SIDE EFFECTS

No adverse side effects reported.

#### STORAGE

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

#### REFERENCES

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**For more information on Cardio-Edge™ visit [douglaslabs.com](http://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.**