

Resvera-Gold® Joint Support

DESCRIPTION

Resvera-Gold® from Douglas Laboratories® is a combination of herbal extracts including grapevine shoot extract (a resveratrol-containing grape vine extract), turmeric (standardized to 95% tetrahydrocurcuminoids), quercetin, green tea and boswellia.

FUNCTIONS

The cause of discomfort, especially in the joints, can be linked to the degradation of arachidonic acid to certain leukotrienes and prostaglandins via the cyclooxygenase and lipoxygenase pathways. Many of these eicosanoids are potential mediators of inflammation. Modern science has found that by inhibiting the enzymatic activity of cyclooxygenase and lipoxygenase, the discomfort experienced with aging joints can be reduced. Non Steroidal Anti Inflammatory Drugs (NSAIDs) have been used extensively to support the joints during the normal aging process, but are often associated with side effects including gastrointestinal disorders and liver damage.

Resveratrol: The use of red wine for health has been well documented. Polyphenols are a class of compounds thought to be responsible for some of wine's beneficial properties and can be found throughout the plant itself, not exclusively in the fruit itself. Resveratrol is a non alcoholic polyphenolic constituent of red wine that has been studied extensively, with results that show it to be effective for a variety of health related problems, including the regulation of normal inflammatory processes. Recent studies have demonstrated that resveratrol can modify normal inflammatory responses in human and animal cells by way of inhibition of the cyclooxygenase and lipoxygenase pathways. In addition to the inhibition of these pathways, resveratrol was also found to induce significant inhibition of the adhesion of certain inflammatory cells, thus giving way to the assertion that it plays a major role in joint health. Resvera-Gold™ contains a unique form of resveratrol, derived from grapevines, thus giving maximum benefit and absorption.

Turmeric: Studies have shown that curcumin, a naturally occurring biologically active group of compounds from *Curcuma longa* (Turmeric), can function as efficient antioxidants and can help regulate the body's normal response to inflammatory processes. Unfortunately, curcumin has been shown to have poor water solubility, thus making it less biologically effective. This in turn leads to a greater amount needed for maximum benefits to occur. However, recent studies have shown that tetrahydrocurcuminoids, (derivatives isolated from curcumin), appear to have greater bioavailability than the regular plant constituents, thus meaning that a smaller amount is needed to achieve greater absorption. The standardized turmeric used in this product includes these valuable tetrahydrocurcuminoids, which allows beneficial and maximum support to occur.

Quercetin: Bioflavonoids belong to a class of water soluble plant pigments. In recent studies, the use of bioflavonoids have been shown to help support the body's normal inflammatory processes. One such bioflavonoid that has been researched extensively for its beneficial properties is quercetin. Derived from various plant sources, including citrus fruits and eucalyptus, bioflavonoids assist in keeping joints and collagen in a healthy condition. Inhibiting both cyclooxygenase and leukotrienes, bioflavonoids can assist the body in supporting joint and connective tissue health.

Green Tea: Green tea (*Camellia sinensis*) has been used for many centuries as a popular beverage worldwide. The polyphenols contained in tea, often referred to as catechins, appear to provide the primary health promoting benefits associated with green tea. One such catechin, epigallocatechin gallate (EGCG), has many antioxidant properties, in addition to supporting the body's normal response to inflammatory processes as well. Tea catechins also act as antimicrobial agents and as antioxidants.

Boswellia: Preparations of the *Boswellia* plant have been used in traditional Indian medicine for joint health for hundreds of years. It is derived from the gum resin of the Indian frankincense plant. Studies have shown it to be supportive of both lung and liver health. Its usefulness is thought to be due to its ability to help support the body's normal inflammatory processes. Research shows that it appears to inhibit the lipoxygenase pathway, thus making it a valuable tool in joint health.

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INDICATIONS

Resvera-Gold™ may be a useful dietary supplement for individuals wishing to support the healthy functioning of joints.

FORMULA (#8500)

Two Vegetarian Capsules Contain:

Grapevine shoot extract.....	50 mg
(Containing approximately 5 mg of resveratrol and 5 mg of Viniferin)	
Standardized Curcumin Extract	150 mg
(95% Tetrahydrocurcuminoids)	
Standardized Boswellia Extract	150 mg
(60% Boswellic acids)	
Standardized Green Tea Extract	150 mg
(35% Epigallocatechin Gallate)	
Quercetin	150 mg

SUGGESTED USE

Adults take two capsules daily with meals 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.

REFERENCES

Steinm JH et al. Purple Grape Juice Improves Endothelial Function and Reduces Susceptibility of LDL Cholesterol to Oxidation in Patients with Coronary Heart Disease. *Circulation*. 1999;100:1050-1055.

Weissman, G. Mechanisms of Lysosomal Enzymes Release from Leukocytes Exposed to Immune Complexes and Other Particles. *J Exp Med* 134(1971):149s-165s.

Xing N, Chen Y, Mitchell SH, Young CY. Quercetin inhibits the expression and function of the androgen receptor in LNCaP prostate cancer cells. *Nutr Cancer* 2000;37(2):223-33

Safayhi H, Mack T, Sabieraj J, Anazodo MI, Subramanian LR, Ammon HP. Boswellic acids: novel, specific, nonredox inhibitors of 5-lipoxygenase. *J Pharmacol Exp Ther* 1992 Jun;261(3):1143-6.

Rao, TS, et al. Anti-inflammatory activity of curcumin analogues. *Ind J.Med.Res.*,75:574-578.

Nakachi K, Matsuyama S, Miyake S, Suganuma M, Imai K. Preventive effects of drinking green tea on cancer and cardiovascular disease: epidemiological evidence for multiple targeting prevention. *Biofactors* 2000;13(1-4):49-54.

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For more information 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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