

PolyResveratrol-SR™



"hints seen that red wine may slow aging" New York Times
"resveratrol has significant health benefits" Science News
"researchers say resveratrol could one day lengthen lives" 60 Minutes
"does red wine fuel the fountain of youth?" NPR

PolyResveratrol-SR™ is a unique, science-based formula containing pure resveratrol and synergistic ingredients:

- pure, 100% trans-resveratrol
- trans-pterostilbene, a natural metabolite of resveratrol
- synergists including water-soluble quercetin, green tea phytosome, and the amazing curcumin phytosome (Meriva®), for enhanced antioxidant activity, fat metabolism, and support of the normal inflammatory response*

All in an exclusive patent-pending time-release matrix that promotes higher and more consistent blood levels of the ingredients over time.*

now available from Thorne Research
call customer service at (800)228-1966
and ask for details on PolyResveratrol-SR



THORNE
RESEARCH

Pure Ingredients, Trusted Results

email: info@thorne.com website: www.thorne.com toll-free (800)228-1966 toll-free fax: (800)747-1950 P.O. Box 25, Dover, Idaho 83825

*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

PolyResveratrol-SR™

The Science Behind Resveratrol

Resveratrol – a polyphenolic compound called a stilbene, which is similar in its structure to a flavonoid – is found in grapes, cranberries, blueberries, peanuts, rhubarb, and other plant species. It is a protective antioxidant molecule* produced in these plants as a result of stress, such as fungal invasion, injury, oxidative damage, and ultraviolet radiation. Like flavonoids, resveratrol is a potent antioxidant; but it is also a unique molecule that has significant anti-aging effects.*

Researchers are studying the effects of reducing calorie intake on lifespan, and numerous studies now show caloric restriction appears to lengthen lifespan in many species. Resveratrol supplementation has been shown to mimic the effects of caloric restriction,* increasing the lifespan of numerous species, including yeast, roundworms, fruit flies, and mice. In studies in which mice were fed either a high-calorie diet, a low-calorie diet, or a high-calorie diet with resveratrol, the resveratrol-supplemented high-calorie group did not exhibit some of the adverse metabolic effects associated with this diet. The resveratrol-supplemented mice were more insulin sensitive, did not develop fatty liver, and lived longer. The resveratrol fed mice also had improved muscle function, and in one study the mice did not gain weight. Resveratrol appears to work by activating specific genes that result in modulation of cellular activity, including up-regulation of the SIRT-1 enzyme, which acts as a cellular switch that supports mitochondrial function and increases the number of mitochondria in each cell.* An increase in cellular mitochondria results in more efficient energy production within the cell and may relate to more efficient fat metabolism and increased longevity.* SIRT-1 also is involved in blood glucose regulation, insulin sensitivity, and cell survival.*

Its impact on the SIRT-1 enzyme is just one of many cellular effects resveratrol has on the body. Resveratrol also modulates the activity of cellular transcription factors like NF-κB, which helps regulate the body's normal inflammatory response, cell proliferation, and immune activity.* Resveratrol supports cardiovascular function via its antioxidant activity and by increasing the activity of endothelial nitric oxide synthase (eNOS), thus increasing the production of nitric oxide in vascular endothelial cells.* This results in healthier blood vessels, better regulation of vasodilation and blood flow, and decreased adhesion of inflammatory cells in blood vessels.*



Resveratrol is considered by some researchers to be the molecule in red wine that explains the “French Paradox,” an epidemiological observation that the French, who eat more saturated fat and drink more alcohol than citizens of many other countries, have a lower risk of cardiovascular disease. Resveratrol’s support of the body’s normal inflammatory response and its health-promoting effects in blood vessels may partly explain this observation.*

Quick Absorption and Rapid Metabolism*

When a resveratrol supplement is ingested it is quickly absorbed from the small intestine; then, after reaching the liver, sulfur or a glucuronic acid molecule attaches to the resveratrol, which inactivates it. This rapid metabolism of resveratrol has caused researchers to doubt whether resveratrol taken orally results in high enough blood levels to have the effects in the body that have been seen in numerous *in vitro* and animal studies.

PolyResveratrol-SR

Pure Resveratrol with Botanicals and a Synergistic Metabolite

PolyResveratrol-SR contains 100% trans-resveratrol, not an extract that is 50% or less resveratrol. PolyResveratrol-SR contains pure trans-pterostilbene, a naturally-occurring methylated metabolite of resveratrol that appears to be better absorbed than resveratrol and is not as easily broken down in the liver.* Animal and *in vitro* studies show pterostilbene has anti-aging effects similar to resveratrol* but reaches higher blood levels and is longer lasting in the body. The flavonoid quercetin has a positive effect on resveratrol metabolism. Research has shown quercetin not only slows the breakdown of resveratrol in the body, it also acts as a potent antioxidant and is synergistic with the activities of resveratrol.* PolyResveratrol-SR contains Thorne’s patented water soluble quercetin for better absorption. Studies show curcumin supports the body’s normal inflammatory response, promotes liver detoxification, and demonstrates synergistic anti-aging activity with resveratrol.* In fact, curcumin and resveratrol given together resulted in a 15% greater antioxidant effect than either given separately.* PolyResveratrol-SR contains the Curcumin Phytosome Meriva, which is significantly better absorbed than a standardized curcumin extract.* Green Tea Phytosome has a positive effect on fat metabolism, promotes optimal liver detoxification, is a potent antioxidant, and is highly absorbed.* These properties and others allow green tea polyphenols, including EGCG, to work synergistically with the activities of resveratrol. These synergistic substances in PolyResveratrol-SR optimize the metabolism and utilization of resveratrol and enhance its numerous metabolic, cardioprotective, hepatoprotective, and anti-aging properties.*

PolyResveratrol-SR™

The Science of Time-Sorb®

PolyResveratrol-SR's unique formulation is in Thorne Research's patent-pending time-release matrix (Time-Sorb) that promotes higher and more consistent blood levels of the ingredients over time. PolyResveratrol-SR is the only resveratrol supplement with synergistic botanicals and metabolites in a time-release matrix.

More Information

For more information on PolyResveratrol-SR call our Customer Service department at 800-228-1966 or visit our website at www.thorne.com.

POLYRESVERATROL-SR

Supplement Facts		
Serving Size: Two Capsules		
Servings Per Container: 30		
Two Capsules Contain:	% DV	
Trans-Resveratrol	100 mg	*
Trans-Pterostilbene	100 mg	*
Curcumin Phytosome (<i>Curcuma longa</i> extract (root) / Phosphatidylcholine complex)	100 mg	*
Green Tea Phytosome (<i>Camellia sinensis</i> extract (leaf) / Phosphatidylcholine complex)	100 mg	*
Quercetin (soluble)	100 mg	*

*Daily Value (DV) not established.

Other Ingredients: High and low viscosity hydroxypropyl methylcellulose and Magnesium Citrate/Laurate (Time-Sorb), Hypromellose (derived from cellulose) capsule, Leucine, Silicon Dioxide.

Contains ingredients derived from soy (phytosomes).

Suggested Use: Take 2 capsules one to two times daily or as recommended by a health-care practitioner.

60 Vegetarian Capsules
Code: SB300

