

Red Wine Grape Extract

also available with *trans*-Resveratrol





MegaNatural® Red Wine Grape Extract was developed to closely match the polyphenol profile of red wine. A 200 mg dose is formulated to be equivalent to the phenol levels found in a glass of red wine.

Published research is increasingly recognizing the role that plant polyphenols play in human health. The polyphenols found in red wine are specifically implicated with a positive role in health.

The perfect pairing with the Mediterranean diet

The food that we eat has long been associated with general health and longevity. Specific diets have been called out as being particularly healthful. The Mediterranean diet is arguably the diet we most often think of when we think of health, and red wine is an important component of this diet. With the abundance of science supporting the health conclusions from the Mediterranean diet and the contributing role that polyphenols play, it was natural to target the polyphenols in red wine when developing our red wine grape extract. A myriad of research supports the health benefits of moderate red wine consumption.



Alcohol

Epidemiologists have investigated the role of moderately consumed alcoholic beverages on health. One of the major findings is that not all alcoholic beverages are equivalent. When normalized for alcohol content, it is clear that red wine has apparent benefits that other beverages do not.



HEALTH EFFECTS OF DIFFERENT TYPES OF ALCOHOLIC BEVERAGES

ENDPOINTS	ALCOHOLIC BEVERAGE		
	Red wine	Beer	Liquors
Cardiovascular mortality	++	+	+
All-cause mortality	++	+	+
RISK FACTORS			
Diabetes mellitus			
Insulin sensitivity	++	+	+
Lipid profile			
Apolipoprotein-AI	++	±	±
Endothelial function			
FMD dilation	++	+	+
MECHANISMS			
Oxidative stress	++	+	±
Inflammation	++	+	+

Table 1. ++: higher protective effect; +: protective effect; ±: not clear or no effect. Adapted from Chiva-Blanch, et al., 2013.

MODERATE RED WINE CONSUMPTION (30 g/day for men (two glasses) and 15 g/day for women (one glass))

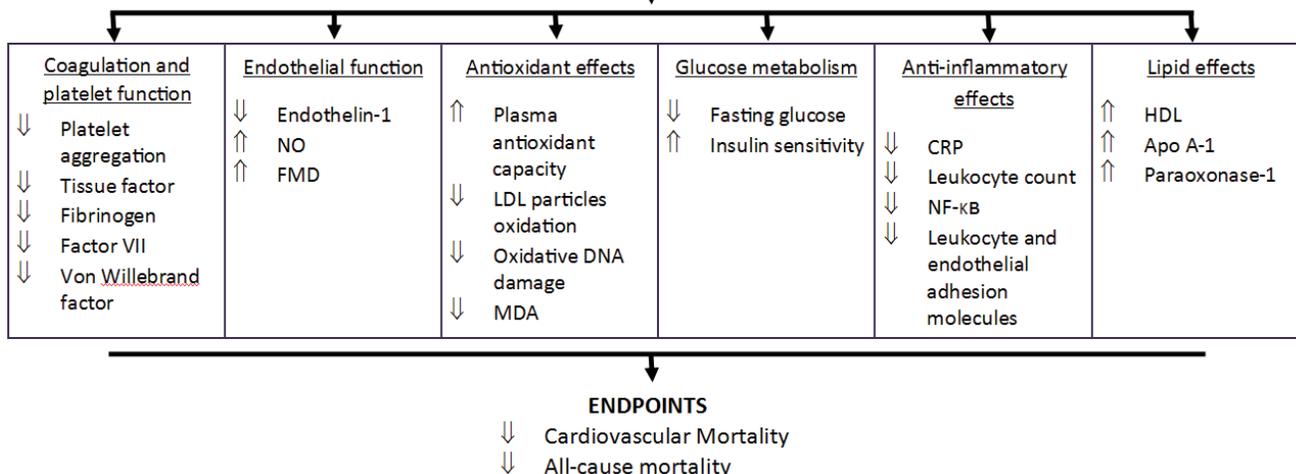
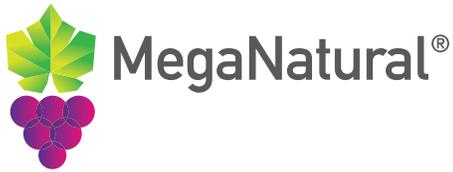


Fig. 1. Cardiovascular effects of moderate red wine consumption. Apo A-1: Apolipoprotein-1; CRP: C-reactive protein; FMD: flow-mediated dilation; HDL: high-density lipoprotein; LDL: low-density lipoprotein; MDA: malon-dialdehyde; NF-kB: nuclear factor-kB; NO: nitric oxide; SOD: superoxide dismutase. Adapted from Chiva-Blanch, et al., 2013.

* 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.



MegaNatural® Red Wine Grape Extract

What is it about wine that gives it a more desirable effect than other alcoholic beverages?

What separates red wine from other beverages? It is the abundance of grape polyphenols! Anthocyanins, proanthocyanidins, flavonols, flavan-3-ol monomers, stilbenes, hydroxy-cinnamic acids....red wine contains a veritable stew of polyphenol compounds and many of these compound classes have been shown to be beneficial to human health. Simply put, you would be challenged to find another beverage with the complexity and concentration of polyphenols observed in red wine. It is no wonder that red wine has long been associated with a healthy lifestyle!



Knowing the results of studies done on red wines and how red wine differs from other alcohol-containing beverages, is it possible to prepare these polyphenols from red wine grapes so that the same benefits can be had without the alcohol?

MegaNatural® Red Wine Grape Extract is standardized to not less than:

- 60% Total polyphenols, on a dry basis
- 8% Total anthocyanins, on a dry basis

Bringing the health benefits of the Mediterranean to you

Polyphenolics set out to isolate the compounds in the grapes that evoke similar health benefits noted in the studies of red wines for use as a dietary supplement. MegaNatural® Red Wine Grape Extract is the result of that mission.



MegaNatural® Red Wine Grape Extract may:

- Promote healthy aging*
- Support cardiovascular health*
- Help with the relaxation of blood vessels*
- Help protect against free radical damage*
- Help support the formation of nitric oxide in the body*

SERVING SIZE EQUAL TO ONE GLASS OF RED WINE



200 mg



6 oz

Moderate red wine consumption:
One 6 oz glass for a woman
Two 6 oz glasses for a man

A supplement containing 200 mg of MegaNatural® Red Wine Grape Extract provides approximately the same amount of polyphenols than would be present in one 6 oz glass of wine made from red wine grapes. Based on moderate wine consumption as defined above, men may choose to take two capsules.



MegaNatural® Red Wine Grape Extract with *trans*-Resveratrol

MegaNatural® Red Wine Grape Extract with *trans*-Resveratrol provides the above benefits, plus the added capabilities of *trans*-resveratrol.*

Published research recognizes both flavonoid polyphenols and resveratrol as powerful antioxidants and now points to benefits from the synergy of flavonoids with *trans*-resveratrol.

MegaNatural® Red Wine Grape Extract with *trans*-Resveratrol is standardized to not less than:

- 60% Total polyphenols, on a dry basis
- 8% Total anthocyanins, on a dry basis
- 5% *trans*-resveratrol

Details of *trans*-resveratrol's functionality in healthy aging of animal cells mesh with the role of flavanol monomers, which are pivotal

for nitric oxide formation and blood vessel relaxation. Science connects these naturally-occurring plant polyphenols and their value for healthy circulation.*

SERVING SIZE EQUAL TO ONE GLASS OF RED WINE



200 mg



6 oz

Moderate red wine consumption:
One 6 oz glass for a woman
Two 6 oz glasses for a man

A supplement containing 200 mg of MegaNatural® Red Wine Grape Extract with *trans*-resveratrol provides approximately 50-60 times more *trans*-resveratrol in its active form than would be present in one 6 oz glass of wine made from red wine grapes. Based on moderate wine consumption as defined above, men may choose to take two capsules.

Together, natural wine grape flavonoids and *trans*-resveratrol can unlock the mystery of grapes and their frequently-studied attributes to support a healthy lifestyle.*

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Formulating with MegaNatural® Red Wine Grape Extracts

MegaNatural® Grape Extracts are 100% water soluble, so they can easily be added to functional beverages without precipitating out of solution. They can also be included in capsules, shots, shakes, gummies, gels, bars, powder mixes, and more.



About Polyphenolics

Founded in 1996, Polyphenolics is a science-driven organization dedicated to researching and developing innovative products using grape-seed-derived polyphenols to deliver specific and documented health benefits.

Vertical Integration

As a division of Constellation Brands, the largest premium wine company in the world, Polyphenolics has access to an abundant supply of fresh wine grapes, grown in California's Central Valley, and retains complete control over the entire manufacturing process — from the initial selection of wine grapes to the final extraction of finished material. The company goes beyond federally mandated traceability requirements, documenting all aspects of growing, treating, and processing the grapes. Through painstaking supply chain documentation and laboratory testing, Polyphenolics can substantiate freshness, identity, domestic origin, and absence of chemical contaminants and genetic modification.

References

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Wallerath T, Deckert G, Ternes T, et al. Resveratrol, a polyphenolics phytoalexin present in red wine, enhances expression and activity of endothelial nitric oxide synthase. *Circulation*. 2002; 106: 1652-1658.

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Contact Us

To learn more about using MegaNatural®-Red Wine Grape Extract or MegaNatural®-Red Wine Grape Extract with *trans*-Resveratrol in your dietary supplements, functional foods or beverages, call 866-308-7678 or contact:

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