

Heart health is one of the top concerns among the 65+ age group^{*} and this population segment is set to double in the next 30 years.^{**}

Resveratrol is an ingredient found in nature with a range of potential cardiovascular benefits.

*Source: Innova Insights 2016 **Source: United Nations, World Population Ageing 2015

Heart Health

Heart health, a matter of flexibility

The cardiovascular system becomes less capable of adapting to normal fluctuations with age and stress on the body caused by diet, physical activity and environmental factors in our daily routine. Keeping the cardiovascular system (heart, arteries, capillaries and veins) flexible helps maintain normal blood pressure, blood flow, blood glucose levels and overall health and wellness.



Resveratrol may manage cardiovascular health in overweight individuals

Twenty one studies on the cardiovascular effects of resveratrol in overweight subjects were pooled in a recent meta-analysis.¹ Resveratrol was found to:

Help maintain healthy levels of cholesterol, systolic blood pressure and fasting glucose⁵
Doses equal to or greater than 300 mg/day were seen to significantly help maintain normal blood pressure and insulin levels⁵

21 studies, 681 overweight individuals, 2 weeks – 6 months (median 3 mo.), 8 – 3000 mg resveratrol daily (median 300 mg), lipid profiles, blood pressure and glucose control

Resveratrol supports healthy blood pressure

Systolic blood pressure (SBP) increases progressively with age and is therefore considered a more important risk factor for cardiovascular disease than diastolic blood pressure.² Several studies have shown that resveratrol can:

- Help support healthy blood pressure³⁻⁵
- A meta-analysis of six studies found that resveratrol at doses of equal to or greater than 150 mg/day significantly help improve arterial function

 $6\ studies,\ 247\ overweight\ individuals,\ 30\ days - 1\ year,\ 16 - 1000\ mg\ resveratrol\ daily,\ blood\ pressure$

Resveratrol promotes healthy blood flow

Studies have shown that resveratrol may support healthy blood flow (vascular function) by dilating blood vessels (vasodilation), which in turn helps to maintain healthy blood circulation.⁶ Flow-mediated dilatation (FMD) measures how effectively an artery relaxes in response to increases in blood flow rate⁷; healthy FMD is an important factor in supporting heart health.⁸ According to clinical study results, resveratrol may:

 Improve vascular function by increasing FMD with evidence linking this to the ingredient's ability to increase nitric oxide concentrations⁸

19 individuals with unbalanced blood pressure, 4 weeks (weekly intervals), placebo, 30, 90, 270 mg resveratrol daily, FMD of the brachial artery

References

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resveratrol re-imagined[™]

Veri-te[™] resveratrol is produced using an innovative yeast fermentation process.

This means our resveratrol is:

PURE: >98% pure trans-resveratrol

SAFE: free of contaminants (e.g. pesticides, emodin & PAHs)

RELIABLE: consistent batch to batch

VERSATILE: off-white, odorless and neutral taste

SCALABLE: large cGMP production capacity

Our Products:

- o Veri-te[™] Food Grade 98% purity for dietary supplements and foods and beverages*
- o $\mbox{Veri-Sperse}^{\rm \tiny M}$ 90% for when increased bioavailability and CWD are important
- Veri-te[™] Aqua for liquid applications
- Cosmetic-Grade resveratrol with
- API Grade resveratrol product with DMF available

Regulatory & Quality Status:

- Food Grade 98% purity for dietary supplements and foods and beverages*
- Made under cGMP and HACCP based food safety conditions
- Halal and Kosher certified resveratrol available

Evolva is committed to supporting clinical trials and research studies to further understand the important benefits of resveratrol on healthy living and aging.

About Evolva:

Veri-te[™] resveratrol is produced by Evolva, a Swiss biotech company focused on the research, development and commercialization of products based on nature. We have leading businesses in Flavors and Fragrances, Health Ingredients and Health Protection. Evolva's employees, half of which are women, are dedicated to make the best products that can contribute to health, wellbeing and sensory enjoyment. Find out more at <u>www.evolva.com</u>.

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We have sales offices in the US and Europe, with distribution and regulatory approvals worldwide.* Our technical team can advise on formulations and ideal combinations. Additionally, our marketing team can help you plan your marketing strategy for Veri-te[™] resveratrol. Contact us to order free samples for evaluation.

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