

UA-X PRO



CLINICAL APPLICATIONS

- Supports Healthy Uric Acid Levels
- Promotes Urinary Alkalinization for Healthy Uric Acid Metabolism
- Helps Maintain Healthy Liver Enzymes Involved in the Production of Uric Acid

CARDIOVASCULAR HEALTH

UA-X Pro is a synergistic blend of vitamin C and botanical extracts to support healthy uric acid metabolism. This targeted blend works by inhibiting xanthine oxidase, the rate-limiting step in the body's production of uric acid. Combining the power of vitamin C, quercetin, luteolin, tart cherry and other potent xanthine oxidase inhibitors, UA-X Pro delivers full-strength, full-spectrum support to help maintain normal inflammatory balance and optimal uric acid levels. UA-X Pro provides a powerful formula for those seeking to minimize uric acid and optimize cardiovascular wellness.

Overview

More than a century ago, Scottish physician Alexander Haig sounded the alarm about the connection between uric acid levels in the body and cardiovascular health.¹ Uric acid is the end item of purine metabolism in the human body and originates from catalysis by xanthine oxidase (XOD).² Uric acid has a variety of physiological effects, including modulation of immune responses, regulation of blood pressure, and controlling the balance between antioxidants and prooxidants in the body.³ It is important to note that either overgeneration or reduction in the excretion of uric acid can lead to an overabundance of uric acid.

The prevalence of uric acid in the population has increased rapidly in recent years and has a closely interdependent relationship with certain metabolic health challenges.⁴ According to the NHANES study, uric acid prevalence rates in the United States is 20.2% in men and 20.0% in women.⁵ Furthermore, serum uric acid is an independent biomarker of cardiometabolic health.⁶ Studies have clearly shown an association between increased uric acid concentrations and oxidative stress. This has been shown to be linked to cardiovascular health challenges.⁶ Reactive oxygen species (ROS) are generated in tandem with uric acid production;

therefore, uric acid causes endothelial changes that require a large pool of antioxidants. Uric acid also modulates vascular endothelial function through the downregulation of nitric oxide production. UA-X Pro was crafted specifically to regulate both the production and the excretion of uric acid by supporting key metabolic enzymes in the liver and stimulating uric acid transporters in the kidney.

Vitamin C

Vitamin C has long been known for its benefits in supporting the immune system. Vitamin C must be obtained from food because the human body cannot manufacture this nutrient. In a meta-analysis of randomized controlled trials containing 1013 participants, pooled findings showed that vitamin C supplementation has a significant impact on lowering serum uric acid levels.⁷ Furthermore, a 20-year study published in the Archives of Internal Medicine that included almost 47000 males found that those taking vitamin C had a 44% reduced incidence of uric acid.⁸

Quercetin Dihydrate

Quercetin is an important dietary polyphenol, a family of micronutrients that includes flavonoids, which have potent antioxidant properties and help to maintain normal inflammatory balance. Quercetin also acts as an immune regulator that may reduce the development of cellular oxidative damage. It is found in a variety of botanicals as well as vegetables and fruits, including apples, berries, onions, broccoli, and green leafy vegetables. Quercetin inhibits advanced glycation end products (AGEs), which are harmful oxidative byproducts formed in the body because of overactive chemical reactions. Most importantly, quercetin has been shown to inhibit the actions of xanthine oxidoreductase (XOR), which is the rate-limiting step in the body's production of

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uric acid.⁹ In a prominent 2016 study of healthy adults, a month of daily quercetin at 500 mg resulted in significantly lowered uric acid levels.¹⁰ Additionally, a study of individuals at risk for cardiovascular challenges showed a statistically significant effect of quercetin supplementation in maintaining blood pressure already within the normal range.¹¹

Luteolin

Luteolin is naturally concentrated in many fruits and vegetables, such as citrus fruits, broccoli, and green peppers, and herbs, such as thyme, rosemary, and oregano. Certain bioactive compounds in these plants and herbs inhibit the XOR enzyme.¹² In fact, luteolin has been shown to have uric acid-lowering properties comparable to traditional therapies.¹³ In a 2017 double-blind, placebo-controlled study of people with uric acid, it was found that ingestion of luteolin for four weeks reduced serum uric acid levels.¹⁴ Flavonoids are further known for their ability to help maintain normal inflammatory balance and antioxidant properties, and luteolin, specifically, has been shown to be liver protective against uric acid free radical stress.¹⁵

Tart Cherry

Tart cherries are known to contain anthocyanins and are believed to have many health benefits, including reducing oxidative stress and uric acid levels. One study shows that a low dose of tart cherry powder decreases serum uric acid and supports kidney function.¹⁶ Additionally, a 2021 study with 48 participants found that tart cherry ingestion can transiently decrease uric acid and a single powdered capsule is most effective for lowering uric acid.¹⁷

Xanthine Oxidase Inhibitors: Celery Seed Extract and Apple Polyphenols

Celery is an umbelliferous plant that has been shown to reduce uric acid levels and help maintain normal inflammatory balance. Specifically, celery seed in an aqueous extract (CSAE) has been shown to reduce the levels of XOD. In addition, CSAE reduced the levels of reactive oxygen species and increased the serum levels of superoxide dismutase and glutathione peroxidase.¹⁸ More so, a randomized, double-blind, parallel placebo-controlled clinical trial involving 62 volunteers randomized to 300 mg of apple polyphenols extract found a positive effect on vascular oxidative stress, endothelium function, and maintenance of healthy blood sugar levels by inhibiting XOD.¹⁹

Directions

3 capsules per day or as recommended by your health care professional.

Does Not Contain

Gluten, yeast, artificial colors or flavors.

Cautions

If you are pregnant or nursing, consult your health care professional before taking this product.

Supplement Facts^{V1}

Serving Size 3 Capsules
Servings Per Container 30

	Amount Per Serving	% Daily Value
Vitamin C (as Ascorbic Acid USP)	500 mg	556%
Quercetin Dihydrate	500 mg	*
Polyphenols (from Apple Extract (Fruit))	300 mg	*
Tart Cherry (<i>Prunus cerasus</i>) Extract, Powder (Fruit)	200 mg	*
Celery Seed Extract	200 mg	*
Luteolin	100 mg	*

* Daily Value not established.

Other Ingredients: Hypromellose (Natural Vegetable Capsules), Magnesium Stearate, Silicon Dioxide and Stearic Acid.

ID# 164090 90 Capsules

References

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