



Nattovéna™

Nattovéna™ is the world's first ultra-concentrated 4,000 FU pure nattokinase dietary supplement, in easy-to-swallow micro-caps. Nattovéna contains ultra-refined, pharmaceutical grade, acid stable nattokinase. Nattovéna's potency is unparalleled in its class. The standard in nattokinase manufacturing is a potency of up to 2,000 FU's, or fibrinolytic units, of fibrin degrading activity per capsule. Nattovéna has broken the mold by providing 4,000 FU's of activity, or double the ordinary dose, giving it the strongest nattokinase activity per capsule.

Nattovéna is specifically formulated to address fibrin imbalances in the body. Fibrin is a protein that plays a major role in blood clotting and scar formation, making it an essential component of the healing process and vital for maintaining our health and general well-being. However, fibrin overproduction and impaired fibrin degradation has been implicated in many of today's most common circulatory health concerns.

WHAT IS NATTOKINASE?

Nattokinase is a fibrinolytic (fibrin-dissolving) enzyme originally discovered within a Japanese fermented soybean food called natto. The dish consists of soybeans fermented with a strain of *Bacillus subtilis* bacteria that in turn produces the enzyme, which upon its discovery was later named after the

respective dish. The fermented dish, natto, has a slimy texture, sour taste and strong smell that is very unappealing to some. Despite its questionable taste, natto has been shown in numerous studies to have many health benefits. For its use in nutritional supplements, the nattokinase enzyme is extracted and purified in a laboratory setting.

Nattovéna provides twice the potency of ordinary nattokinase products available and is naturally acid stable in the stomach since it is derived from a food source. This gives Nattovéna the added benefit of not having to use an enteric coating or plastic

to protect it from stomach acid. Nattovéna's formula contains the highest Fibrinolytic Unit (FU) activity among the major brands of nattokinase supplements, allowing it to hydrolyze 4,000 units of fibrin per capsule, thereby optimizing its cardiovascular benefits and promoting normal blood viscosity.

HOW DOES NATTOKINASE WORK?

Fibrin is naturally produced in the body by a protein called thrombin and is degraded by the body's own fibrinolytic enzyme, plasmin. Fibrin is typically produced during the recovery and healing processes due to injury or other health concerns. Usually, these processes exist in a delicate balance; however, many conditions can impair fibrin degradation and lead to excessive levels of fibrin within the body. Nattokinase supplementation can tip the balance back in favor of fibrin removal using two different mechanisms.

Firstly, nattokinase is a fibrinolytic enzyme, which means that it can literally dissolve excessive fibrin produced during the healing process. In fact, nattokinase is actually four times (4x) more potent than the body's own plasmin in terms of fibrinolytic activity. Secondly, nattokinase blocks the activity of plasminogen activator inhibitor 1 (PAI-1), which boosts its fibrinolytic capabilities even more. High levels of PAI-1 are directly linked to impaired fibrin degradation and removal, since PAI-1 blocks the body's natural production of plasmin. By impeding PAI-1, nattokinase promotes the creation of more plasmin from plasminogen (its building block), increasing the amount of fibrinolytic enzymes within the blood.

CLINICAL STUDIES

Clinical studies on nattokinase have demonstrated that nattokinase reduces the concentration of fibrinogen within the blood plasma of healthy adults. Nattokinase also has been observed to be absorbed from the duodenal lumen (located just below the stomach) to the circulatory system. Examination of the blood from these subjects revealed the presence of intact nattokinase that was functionally capable of degrading fibrinogen, the building block of fibrin. Nattokinase has been directly shown in a clinical setting to work throughout the body (within the circulatory system) as opposed to within the confines of the digestive tract.

According to a recent excerpt on Wikipedia, a 2009 study showed that nattokinase may be effective in catabolism of toxic amyloid fibrils associated with brain disorders, as well as the insulin fibrils



associated with insulin imbalances and the prion peptide fibrils associated with prion related issues. The study reported that its effects were similar to those seen when proteinase K was applied in the same manner. The study's authors noted that "This amyloid-degrading ability of nattokinase suggests that it may be useful in the treatment of amyloid-related diseases, particularly as previous results in rats, dogs and humans have suggested that nattokinase can enter the circulation when taken orally." However, they cautioned that their results were preliminary, and made the following suggestion: "Since natto has been ingested by humans for a long time, it would be worthwhile to carry out an epidemiological study on the rate of occurrence of various amyloid-related diseases in a population regularly consuming natto."

FREQUENTLY ASKED QUESTIONS

What does Nattovéna do?

Studies have demonstrated that nattokinase improves overall circulation, promotes healthy blood viscosity, and clotting factors, keeps blood cells from sticking together, and maintains blood pressure levels already within normal range.*

How does it work?

Nattovéna supports normal clot formation by maintaining normal levels of blood coagulation factors.* It also supports normal clot breakdown by maintaining normal fibrinolytic (clot-dissolving) activity, due to its ability to also increase the production of the body's inherent fibrinolytic enzyme plasmin.*

Why is fibrinolytic activity important?

Fibrin is a vital protein that forms in response to trauma, injury, or even in cases of autoimmune conditions. The body can not only overproduce fibrin in these instances, but can also produce fibrin when there is no trauma or injury, which can lead to a bevy of unwanted symptoms. Fibrinolytic activity is the body's natural way of breaking up excessive fibrin and unwanted clots.

Is Nattovéna safe?

Nattokinase is derived from natto, which has been a regular food staple within Asian cuisine for centuries. Although nattokinase has many benefits, studies have shown that it also does not have demonstrative side effects, and the ingredient is considered GRAS (generally recognized as safe) within the US.

Does Nattovéna have value beyond just heart health?

Due to the vast array of unhealthy conditions that excessive fibrin can bring, Nattovéna has far greater value than a simple cardiovascular support product. Many aspects of health, from muscle recovery to immune and joint health, are directly related to fibrin and blood viscosity.*

Is Nattovéna safe to use in combination with prescription blood-thinning drug medication?

You should always check with your health care provider prior to taking any new dietary supplements in combination with a prescription. However, Nattovéna does not contain any vitamin K, so it is assumed to be compatible with these medications since their mode of action is based on inhibiting vitamin K. Nattovéna is not contraindicated with aspirin, natural supplements, or antihypertensive medications although medical supervision when implementing any new supplement regimen is always recommended.

Supplement Facts

Serving Size: 1 Capsule

	Amount Per Serving	% Daily Value
Nattovéna™	200 mg	†
Nattokinase	4,000 FU	†

† Daily Value Not Established

Other Ingredients: Cellulose (*vegetarian capsules*)

Nattovéna is free of dairy, gluten, and soy allergens. Contains no artificial colors or preservatives.

KEEP OUT OF REACH OF CHILDREN. STORE IN A COOL DRY PLACE WITH LID TIGHTLY CLOSED.



SUGGESTED USE: Take Nattovéna with 8 oz of water on an empty stomach. Higher doses may be divided into 2 or 3 servings per day, but it is recommended to not exceed 9 capsules in any 24-hour period unless otherwise directed by a healthcare practitioner.*

MAINTENANCE: 2 Capsules per day.*

INCREASED SUPPORT: 4 Capsules per day.*

THERAPEUTIC: 6 Capsules per day.*

WARNING: Do not take this product without the consent of your physician if you are currently taking blood thinning medications or if you are pregnant or nursing.

**NATTOVÉNA IS AVAILABLE IN
30, 90 & 180 Capsule Bottles**

***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.**