

# NSK-SD<sup>®</sup> Nattokinase

*JBSL – The  
Pioneer of  
NSK-SD<sup>®</sup>  
Nattokinase*



## JAPAN BIO SCIENCE LABORATORY

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Japan Bio Science Laboratory



- In 1998, JBSL was the first company in the world to isolate and market Nattokinase, a unique enzyme.
- Nattokinase is extracted and purified from a Japanese food called natto (fermented soybeans).
- Nattokinase, produced by the natto bacteria, is a serine protease enzyme consisting of 275 amino acid residues with a molecular weight of 27,724.
- NSK-SD<sup>®</sup> is fermented using JBSL's patented strain of *Bacillus subtilis natto*.
- JBSL has patented the removal of Vitamin K2 from Nattokinase powder and is the only company that can market Vitamin K2-free Nattokinase in the United States.

## Superiority

Other products claim to be Nattokinase, but only NSK-SD<sup>®</sup>:

- Has the highest potency available > 20,000 F.U./gram
- Contains less than 1 ppm Vitamin K2.
- Is the most clean, white, uniform and deodorized powder available.
- Is non-GMO, vegetarian and non-irradiated.
- Has the highest proven potency of any Vitamin K2-free Nattokinase on the market.
- Is recognized by the JHFA (Japan Health and Nutrition Food Authorization) and the JNKA (Japan Nattokinase Association) as authentic Nattokinase.
- Is the only EFSA-approved and Health Canada-approved Nattokinase. Has self-affirmed GRAS.

## About JBSL

Since its foundation in 1974, JBSL has been developing and manufacturing functional health food products under the corporate belief in the harmony of human beings and Mother Nature. Today, the safety and quality of food products are of higher concern than ever before. That is why our quality policy is the pursuit of safety from the viewpoint of the consumer.

### OUR CURRENT PRODUCTS INCLUDE:

Ashitaba Leaf Powder

Bacillus Subtilis Natto

Biozyme

ChalCurb®

Elastin

Kaboseed EX

NSK-SD®

Pro-K-Natto

Sesame Minerals

Vitamin K2

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## Research

The potential health benefits of **NSK-SD®** are numerous. More than 25 years of research and scientific testing suggest the following benefits:

- Promotes arterial health with strong thrombolytic activity
- May promote normal blood pressure
- Promotes proper whole blood viscosity
- Increases blood circulation
- Promotes normal platelet aggregation
- Enhances the production of Tissue Plasminogen Activator (t-PA)
- Reduces Plasminogen Activator Inhibitor Type 1 (PAI-1)
- Activates Pro-Urokinase
- Promotes normal clotting (degrades fibrin directly)
- Promotes overall cardiovascular health



## Safety

Our **NSK-SD®** has been the subject of the following comprehensive safety studies and in vivo and in vitro clinical studies:

- Oral 28-day repeated dose toxicity study in rats
- Oral 90-day repeated dose toxicity study in rats
- Reverse-mutation assay in bacteria
- Chromosome aberration test in cultured mammalian cells
- Pathogenicity test
- Oral 28-day human safety
- Oral single dose toxicity in rats
  - LD50 rat study > 1000mg/kg no adverse effects

[www.jbsl-net.com/english](http://www.jbsl-net.com/english)



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.  
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