

# Biocidin® TS

## DAILY HERBAL THROAT SPRAY

### RESPIRATORY & IMMUNE SUPPORT\*

AVAILABLE IN 30 mL SPRAY

Think there is no way to stimulate rapid immune response naturally? Think again! Research shows there are natural therapies that have a nearly immediate effect on immune activity in the mouth and throat. Where we need it first.

Biocidin® TS Throat Spray contains our proprietary Biocidin® Botanical Blend, made with 99% organic ingredients. It was the subject of a human clinical trial – the gold standard in science.<sup>1</sup> The study evaluated its impact on Secretory Immunoglobulin A (SIgA), an antibody that plays an integral role in rapid immune defense. Participants<sup>†</sup> showed a 66% increase in SIgA within 60 minutes of use. A soothing, protective boost – so unique we patented it.

Biocidin® TS Throat Spray empowers you. Clear clinical support for a healthy immune response – giving your body what it needs to do its best work.\*

<sup>1</sup>Bellar, D., Aldret, R. A., Judge, L. W. (2018). The Effects of a Botanical Blend on Post-Exercise Mucosal Antimicrobial Proteins. *Journal of Athletic Enhancement*, (7) 5, 1-5.

<sup>†</sup>Participants were athletes tested post-workout, a population often used to simulate immune suppression and susceptibility to upper respiratory infections.

## DEFEND

**Defend. Optimize Resilience.** In the face of novel microbes, or if the body is weakened, we need to call in the troops. Humans have relied on plants for eons to balance and reinforce immune activity. To rouse the body's vital force. To prime the immune pump for opposition. Together, the body and botanicals bolster defenses to co-create optimal resilience.



**Biocidin  
Botanicals™**

\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

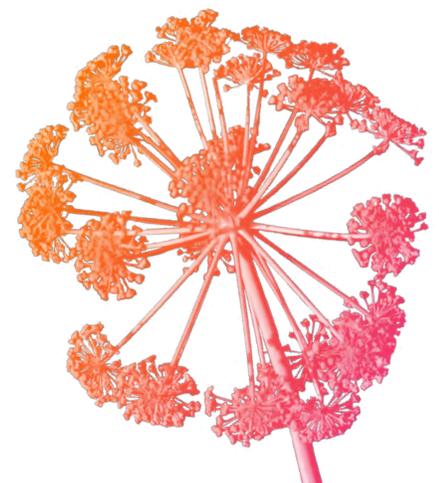


## Benefits

- Primes salivary defenses through the secretion of SIgA\*
- Immunomodulatory activity\*
- Promotes daily wellness\*
- Supports health in the upper respiratory tract\*
- Indispensable for seasonal support\*
- Upper respiratory support while traveling\*

## Features

- Contains 99% organic ingredients
- Uniquely powerful patented formula
- Laboratory-tested and clinically researched
- 1 oz spray bottle ideal for travel or use on the go
- Independent human clinical trial showed a rapid increase in immune activity
- Contains our Biocidin® Botanical Blend, the go-to broad-spectrum formula for integrative and functional medicine practitioners for over 30 years
- Pleasant taste appeals to children and adults



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## DAILY HERBAL THROAT SPRAY

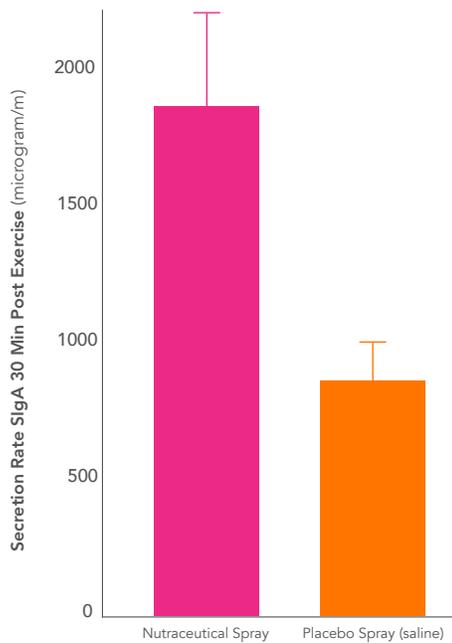


Figure 1: Log of Secretory IgA sec by treatment.

Single-blind, placebo-controlled, independent study using Biocidin® with athletes showed 66% increase in SIgA immune response in 60 minutes.

## Suggested Use

Spray 3 times in mouth towards back of throat (and swallow) as needed or as directed by your healthcare professional.

Warning: Not recommended for use during pregnancy. Consult your physician before using any supplement, especially if you are nursing, have a medical condition, or are taking medication. Discontinue use should adverse reactions occur. Keep out of reach of children. **Store in a cool, dry place.**

## Supplement Facts

Serving Size: 3 sprays  
Servings Per Container: 60

### AMOUNT PER SERVING

**Proprietary Herbal Blend:** 30 mg<sup>†</sup>

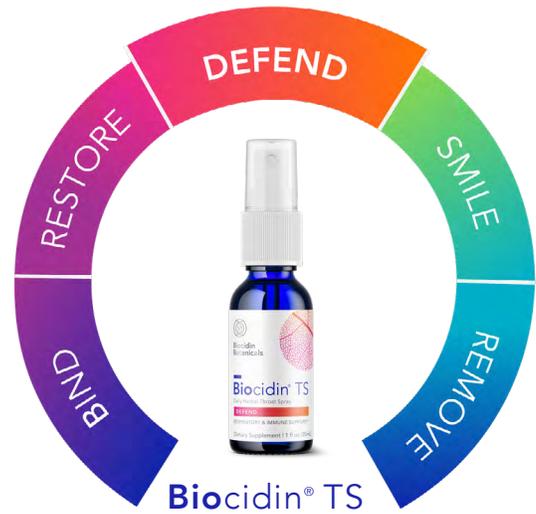
Vegetable glycerin<sup>‡</sup>, Bilberry fruit extract, Grape seed extract, Shiitake mushroom extract<sup>‡</sup>, Goldenseal root<sup>‡</sup>, Noni fruit extract<sup>‡</sup>, Garlic bulb<sup>‡</sup>, White willow bark, Milk thistle seed<sup>‡</sup>, Echinacea purpurea herb extract, Echinacea angustifolia root<sup>‡</sup>, Raspberry fruit<sup>‡</sup>, Black walnut hull, Black walnut leaf, Lavender oil<sup>‡</sup>, Oregano oil<sup>‡</sup>, Galbanum oil, Tea tree oil<sup>‡</sup>, Fumitory aerial parts extract, Gentian lutea root<sup>‡</sup>

**Other Ingredients:** Water, ethanol<sup>‡</sup> (sourced from sugar cane and/or potatoes)

**Contains walnut.** This product is made without dairy, gluten, soy, corn, animal products, artificial coloring or flavoring.

<sup>†</sup>Daily value not established.

<sup>‡</sup>Organic



## Clinical Focus: Who's It For?

- Adults or children seeking to maintain a balanced immune response\*
- Those seeking to soothe throat discomfort\*
- For on-the-go immune support\*
- Individuals wanting to support upper-respiratory tract health\*
- For maintaining health while under stress (HPA axis support)\*

## Ingredient Mechanisms of Action

Scientific literature shows that the individual botanicals in Biocidin® TS have multiple activities. Below are highlights that may account for the outcomes seen in a clinical setting.

**Immunomodulatory** – Our research has demonstrated that Biocidin® TS assists in balancing the Secretory Immunoglobulin A (SIgA) markers both in the gut and respiratory tract. Echinacea, Noni, and Shiitake are all botanicals traditionally used to support immune health.

**Supports Healthy Inflammatory Response** – Botanicals have multiple positive benefits, and assisting a normalized inflammatory response is an important outcome. Galbanum is a unique resinous ingredient similar to Frankincense mentioned in Hippocrates' most ancient herbal texts. Noni is prized in Polynesian cultures for its remarkable ability to assist immune balance.

**Supports Microbial Balance** – Almost all of the botanicals in Biocidin® TS positively impact the removal of "unfriendly players" while promoting friendly flora. Goldenseal, Garlic, Oregano, and Black walnut are well-documented in this category.

**Biofilm Disruptor** – The botanicals in Biocidin® TS work in multiple ways to inhibit biofilms: Stopping quorum sensing, stopping adhesion to surfaces, disrupting the lipid bi-layer, dismantling the biofilm, efflux pump inhibition, and elimination of "unfriendly players."

**Antioxidant** – Bilberry, Grape seed, and other ingredients contain high levels of oligomeric proanthocyanidin complexes (OPCs) for cellular health and repair of tissues.

For questions, contact us at [questions@biocidin.com](mailto:questions@biocidin.com)