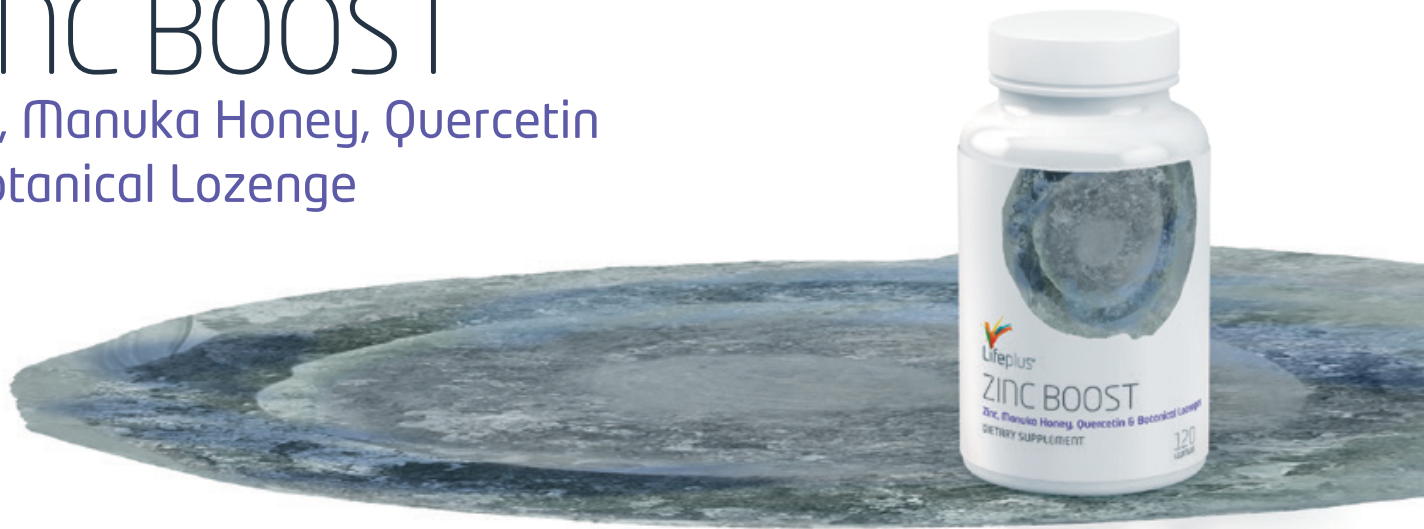


ZINC BOOST

Zinc, Manuka Honey, Quercetin & Botanical Lozenge



This tasty lozenge provides a powerful 8-fold protection to your immune system, while promoting a healthy inflammatory response and supporting overall immune resilience.◊

Zinc Acetate

Zinc is well known for the significant role it plays in immune response and immune health. It enhances both innate and adaptive immunity and is vital for immune cell function. In persons with zinc deficiency, zinc supplementation improves not only type I and II interferon production/response, but also immune cell survival, maturation and function.◊

Zinc is essential for immune cell development and for maintaining activity of immune cells including neutrophils, monocytes, macrophages, NK cells, B cells, and T cells. A deficiency leads to impaired immune function and promotes systemic inflammation.◊

Zinc is essential for virtually all processes in the human body. Zinc is well absorbed when dissolved in the mouth, particularly when provided in the zinc acetate form (the zinc salt of acetic acid, the primary component of vinegar).

There is no question that zinc is an essential trace element for all living organisms and their biological processes. Zinc plays a key role in more than 300 enzymes and is involved in cell communication, proliferation, differentiation and survival.◊

We know that zinc is critical for the immune system.◊

Baobab Fruit

The fruit of *A. digitata* is nutritious and could have significant value as an ingredient in functional foods and dietary supplements. It is also a novel source of compounds that support a healthy inflammatory response and a healthy immune response.◊

Baobab is rich in vitamins and minerals, containing more than 100 mg vitamin C per 100 g of dried fruit pulp — higher than many other fruits. This African botanical is also a good source of calcium, iron, and magnesium compared to other fruits.

Based on its ORAC values, baobab fruit pulp has a higher antioxidant capacity than many berries — twice as high as those of pomegranate and cranberry.

Manuka Honey

Manuka honey is a type of honey native to New Zealand. It's produced by bees who pollinate the flower *Leptospermum scoparium*, commonly known as the manuka bush. Many studies have shown that manuka honey has the ability to support a healthy microbiome in the mouth, which supports an overall healthy

immune response. Additionally, manuka honey has strong antioxidant benefits, and also promotes a healthy anti-inflammatory response.◊

Quercetin

Quercetin is a pigment found in many fruits, vegetables, and plants, and belongs to a family of bioflavonoids, responsible for the bright colors and health promoting properties of many plants. Foods that contain quercetin include berries, apples, citrus fruits, kale, tomatoes, onions, buckwheat, red wine, and black tea. It is also found in herbal remedies, such as ginkgo biloba and St. John's wort. Quercetin can be taken as a supplement in addition to other products. It can act as an antioxidant, neutralizing free radicals that cause cellular and DNA damage. Quercetin is known for its ability to promote a healthy inflammatory response, and to support a healthy neurological, cardiovascular, and immune system.◊

Quercetin is poorly absorbed from the stomach and small intestine, but much better absorbed via the mucous membranes of the mouth.

Cinnamon

Cinnamon is a common spice obtained from the bark of the

cinnamon tree (*Cinnamomum cassis*). It has been used for culinary, as well as healing purposes since ancient times in various countries. Apart from substantial amounts of several nutrients, including carbohydrates, proteins, choline, vitamins (A, K, C, B3), and minerals, cinnamon also contains compounds which contribute to immunomodulatory and antioxidant effects, support blood cholesterol levels already in normal range; and promote healthy blood pressure, healthy inflammatory response, healthy gastrointestinal function and blood sugar metabolism, as well as a healthy nervous system. In addition, nutritional properties of cinnamon powder include positive effects on growth, digestion, enhanced activity of gut microflora, and improvement of immune response.◊

Xylitol

Fruits such as strawberries and vegetables like cauliflower have a natural sugar in them called xylitol. Your body also can make xylitol in the process of breaking down other dietary carbohydrates. Manufacturers create xylitol from hardwoods like birch, and can also produce it by microbial fermentation. Xylitol has been found to potentiate immune responses in many animal models. As a non-absorbable carbohydrate, it also has beneficial effects as a 'prebiotic' on the intestinal microbiome, which also is important in supporting a healthy immune response. Xylitol also supports oral, dental and gum health by increasing salivary flow and alkalinity. It cannot be used as a fuel source by bacteria in the oral microbiome that can be detrimental to oral health if they overgrow the healthy bacteria.◊

Cranberry

Cranberries and their juice are well known for helping to support health of the human urinary tract. Recently, however, a research team at the University of Florida, Gainesville, led by Susan Percival, Ph.D., found evidence in a cell culture system which revealed mechanism by which cranberries can support overall healthy immune system function. A previous clinical study found that after eight weeks of consuming cranberry, immune cell enhancement was evident. They found that compounds in cranberries can help prime the immune system for activity, which can help protect the body's cells from a challenge.◊

Black Currant

Black Currant berries come from a small, perennial shrub native to central Europe and northern Asia which is cultivated throughout the world, including the United States, and has long been used as a food and as a component of traditional herbal medicine of many different traditions. Modern laboratories have demonstrated the potent ability of black currants to support healthy inflammation and immune function, antioxidant/lowering of oxidative stress throughout the body, and its ability to support the immune response, all of which activities are beneficial in supporting health throughout many systems of the human organism.◊ The properties of the black currants are conferred from its biochemical constituents, some of which include anthocyanins, flavanols (including proanthocyanidins), polyphenols and polyunsaturated fatty acids. Many scientific studies have been published

with regard to its various health supportive applications.

Adding to the inherent antioxidant activity associated with the rich supply of polyphenolic and anthocyanin compounds within black currants, they also stimulate the production of antioxidant enzymes produced in the body, including glutathione (GSH) peroxidase and superoxide dismutase, by unknown mechanisms. Black currants also support the vascular endothelium and support its crucial ability to produce and modulate nitric oxide, to maintain healthy blood pressure and healthy blood flow.◊

With regard to eye health, multiple studies have established that the cyanidins present in black currants improve rhodopsin (a pigment in the retina which is central to healthy vision) regeneration and dark adaptations. This has the effect of improving vision. In addition, anthocyanins promote arterial relaxation, which can support blood flow to the eye and reduce fatigue to improve eye function.◊

Summary

Taken together these 8 amazing ingredients, both commonplace and exotic—cranberry, xylitol, cinnamon, quercetin, black currant, manuka honey, baobab fruit, and zinc, when put together in unique proportions, create a good tasting lozenge with powerhouse potential for supporting both oral and immune health.◊ Up to 8 lozenges per day can be used, without exceeding the recommendations for daily zinc intake for adults.

◊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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Supplement Facts

Serving Size 1 Lozenge
Servings Per Container 120

Amount Per Serving	% Daily Value	
Calories	2	
Total Carbohydrate	0.8 g	0%*
Dietary Fiber	0 g	0%*
Total Sugars	0.2 g	
Includes 0.2 g Added Sugars		0%*
Sugar alcohols	0.2 g	
Zinc	5 mg	45%
Manuka Honey	250 mg	**
Black Currant Fruit	140 mg	**
Baobab Fruit	100 mg	**
Cranberry Fruit	60 mg	**
Cinnamon Bark	5 mg	**
Quercetin Dihydrate	50 mg	**

*Percent daily values are based on a 2,000 calorie diet.
**Daily value not established.

INGREDIENTS: Honey (from Manuka (*Leptospermum scoparium* J. R. Forst. & G. Forst.) Flowers), Xylitol, Black Currant Berry (Organic), Baobab Fruit (Organic), Cranberry Fruit (Organic), Quercetin Dihydrate, Zinc Acetate Dihydrate, Cinnamon Bark (Organic), Magnesium Stearate, and Silica.

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Zinc provides support for a healthy immune system.^o

As with all supplements, please consult your physician prior to taking if you are pregnant or attempting to become pregnant, breast-feeding, under a doctor's care or taking prescription medication. Excessive consumption may produce laxative effects.

This product is processed in the same facility as products containing fish, shellfish, soy and dairy.

This product was not tested on animals.

Suitable For Vegetarians.

DIRECTIONS: One lozenge one to four times a day.

oThese 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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