

Ultraplex Immune Boost



Clinical Applications

- Promotes Healthy Immune Function*
- Provides Antioxidant Activity*
- Supports the Body's Defenses Against Immune Challenges*

*Ultraplex Immune Boost features science-based, patented Immune Guard® plus extracts of elderberry and olive to support the body's natural immune defense mechanisms.**

All Elevation Ultraplex Formulas Meet or Exceed cGMP Quality Standards

Discussion

Immune Guard®

Immune Guard is a patented blend of decaffeinated compounds from green tea standardized to 20% epigallocatechin-3-gallate (EGCG) and L-theanine, a combination that has been demonstrated to support immune system health. A randomized, double-blind, placebo-controlled study followed healthy adult subjects (n = 120) for a twelve-week period during the winter and into the spring months. Each subject recorded in a daily log any symptoms that indicated reduced immune health. Blood samples were analyzed for assessment of immune function parameters, including gamma delta T cell proliferation and gamma interferon secretion. Immune Guard resulted in a 28% increase in gamma delta T cell proliferation and secreted 26% more interferon gamma in response to gamma delta T cell antigens when compared to placebo. This increase in immune health markers corresponded with a decreased incidence of immune-related symptoms recorded by 30% of the study group.*^[1]

An additional study of the effect of Immune Guard on immune health was conducted with healthcare workers as subjects (n = 197) over a five-month period during the winter months. Volunteers were given either placebo or six capsules/day (378 mg/day of green tea catechins and 210 mg/day of theanine). The occurrence of clinically confirmed diagnoses was significantly reduced in the treatment group when compared to placebo.*^[2]

Green Tea Extract (*Camellia sinensis*)

Many of the beneficial effects of green tea are dose-dependent, and most Americans are not willing to consume the necessary 5-10 cups of the tea daily to gain its advantages. The health benefits of green tea are derived from a group of phytochemicals known as polyphenols. Polyphenols in fresh green tea leaves are present as catechins, which can be isolated to yield the key beneficial constituents. The dominant and most biologically active among the catechins, (-)-epigallocatechin-3-gallate (EGCG), has been shown to induce expression of the enzymes that protect a wide variety of cells against oxidative stress and to exhibit an immunomodulatory effect in addition to other benefits.*^[3-7]

L-theanine

L-theanine, an amino acid found in green tea, is catabolized to ethylamine, a molecule that specifically activates human gamma delta T-lymphocytes to proliferate and make interferon gamma, a powerful antimicrobial cytokine. There is ample evidence that supports the role of gamma delta T cells as a first-line immune defense mechanism.*^[8-10]

Elderberry (*Sambucus nigra*)

Elderberry has a long history of traditional use in promoting immune and respiratory health. Additionally, the antioxidant activity of elderberry extracts has been evaluated in a number of studies, all suggesting a meaningful level of activity.^[11-13] Elderberry fruit and leaves contain numerous compounds thought to have immune-priming effects and provide support against opportunistic microbes.^[13,14] Several double-blind placebo-controlled studies using standardized elderberry extracts in the test groups have yielded positive results, including lessened duration and severity of immune-related symptoms.*^[15-17]

Arthricor® Olive Extract (*Olea europaea*)

The immune health benefits of extracts from the leaf or fruit of the olive tree date back hundreds of years, including documented use during the Spanish/Latin American wars of independence in the early 1800s, for promoting the health of soldiers returning from tropical colonies. The bitter phenolic compound oleuropein was identified decades later as one of the key health-promoting components. Hydroxytyrosol and tyrosol, along with other polyphenols with beneficial activity, have also been identified. Since then, *Olea europaea* has been studied for an array of healthful attributes including antioxidant properties and effective immune support against opportunistic microbes.*^[18-23]

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***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.**



Supplement Facts

Serving Size: 2 Capsules
Servings Per Container: 10

	Amount Per Serving	%Daily Value
Calories	5	
Total Carbohydrate	1 g	<1%†
Calcium (as calcium carbonate)	100 mg	8%
Immune Guard® Green Tea Extract & L-Theanine Blend (<i>Camellia sinensis</i>)(leaves) (20% EGCG)(20% L-theanine)	600 mg	**
Elderberry (<i>Sambucus nigra</i>)(fruit) (4% phenolics, 1% anthocyanins)	300 mg	**
Arthricor® Olive Extract (<i>Olea europaea</i>) (fruit and leaves)(9% hydroxytyrosol, 4% oleuropein, 1% tyrosol)	150 mg	**
† Percent Daily Values are based on a 2,000 calorie diet. ** Daily Value not established.		

Other Ingredients: Ascorbyl palmitate, capsule (hypromellose and water), and silica.

Immune Guard® US patent 8,465,782.

Arthricor® is a registered trademark of Eight-IP.

References

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Does Not Contain:

Wheat, gluten, yeast, soy, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.

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