



CLARIWELL

IMMUNOKLER®

DIETARY SUPPLEMENT

A 100% natural product for strengthening immunity based on nature and science



IMMUNOKLER®

100% natural food supplement for adults and children from 12 years of age to strengthen immunity and respiratory health and reduce weakness.

Composition: L-glutamine, vitamin C, yeast (*Saccharomyces cerevisiae*) beta-glucans, black elderberry (*Sambucus Nigra L.*), zinc, vitamin D3.

Audience: children aged 12 and over and adults with weakened immune systems caused by viral and bacterial infections, chronic stress, insufficient and/or unhealthy diet, sedentary lifestyle, alcohol and nicotine use, use of various medications and metabolic diseases such as diabetes.

Use: for children from 12 years of age is 1 capsule per day, for adults – 3 capsules per day during meals. The necessary daily intake required can also be determined according to the person's weight: 40–50 kg – 1 capsule; 51–60 kg – 2 capsules; 61 kg and over – 3 capsules per day.

The recommended daily dose (1/3 capsules) contains:

- L-glutamine – 150/450 mg;
- yeast beta-glucans – 100/300 mg;
- vitamin C – 100/300 mg;
- black elderberry – 1,5/4,5 g drug equivalent;
- zinc – 5/15 mg;
- vitamin D3 – 25 µg (1000 SV)/75 µg (3000 SV).

Product contains substances of natural origin only.

The capsule shell does not contain gelatine of animal origin.



ARTIFICIAL
COLORS FREE



PRESERVATIVES
FREE



GMO
FREE



LACTOSE
FREE



GLUTEN
FREE



NO
SWEETENERS



VEGAN
FRIENDLY

DO NOT USE A FOOD SUPPLEMENT TO REPLACE COMPLETE AND BALANCED NUTRITION!

Food supplement intended for adults. Do not use this food supplement if you are pregnant, breastfeeding or have hypersensitivity (allergy) to any of the ingredients. If you are taking any medication or are under the supervision of a physician, consult your physician or pharmacist before taking a food supplement.

The product is manufactured in Latvia in accordance with the quality and safety requirements of the European Union.

BLACK ELDERBERRY



has various medicinal properties, including antioxidant, anti-inflammatory, anti-flu, antimicrobial, cardiovascular protective and neuron-protective activities. Black elderberry extract helps reduce the severity and duration of flu, as well as helps maintain normal functioning of the respiratory and immune system.

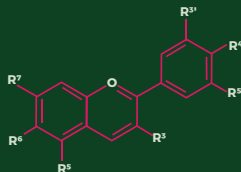
The amount of active substances — polyphenols, including anthocyanins, of black elderberry (*Sambucus nigra L.*) contained in IMMUNOKLER is ALWAYS GUARANTEED, because the extract is standardised. These substances are essential because

POLYPHENOLS IN GENERAL:

- ① Fight oxidative stress and protect cells from free radicals.
- ② Fight viruses by affecting their replication cycle.
- ③ Fulfil anti-inflammatory functions, reducing acute and chronic inflammatory reactions.
- ④ Strengthen the immune system.
- ⑤ Have a beneficial effect on gut microbiota and reduce dysbacteriosis.
- ⑥ Ensure antimicrobial and antiviral activity.
- ⑦ Improve cell survival.

ANTHOCYANINS, SPECIFICALLY:

- ① Promote the immune system.
- ② Improve brain function.
- ③ Have an anti-inflammatory effect.
- ④ Protect against diseases.
- ⑤ Fight viruses.
- ⑥ Balance blood sugar levels.
- ⑦ Fight free radicals.
- ⑧ Support heart health.



















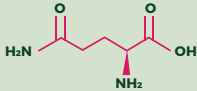




VITAMIN D

can modulate innate and acquired immune responses. With the direct involvement of vitamin D, our body produces more than 200 antimicrobial peptides, the most potent of which is cathelicidin, a natural broad-spectrum antibiotic; therefore, vitamin D is effective in treating all types of acute respiratory viral infections. Vitamin D deficiency is associated with increased autoimmunity as well as increased susceptibility to infections.

FOOD SUPPLEMENT DOES NOT REPLACE A COMPLETE AND BALANCED DIET!

IMMUNOKLER

effects on the innate AND adaptive immune system

	INNATE IMMUNE SYSTEM	ADAPTIVE IMMUNE SYSTEM
DESCRIPTION OF THE IMMUNE SYSTEM	<p> The body's first line of defence.</p> <p> Quickly identifies, targets and eliminates infections without prior experience with a specific pathogen.</p> <p> It has no long-term memory, so it creates new receptors to adapt its immune response.</p>	<p> It is a slower defence and cannot provide an immediate response to the infectious agent.</p> <p> It takes time to adapt or learn to recognise pathogens. After encountering a pathogen for the first time, the adaptive immune system remembers what it looks like.</p> <p> When the same pathogen tries to re-infect the body, the next response is fast, precise and effective.</p>
OPERATIONAL MECHANISM OF THE IMMUNE SYSTEM	<p> The presence of antigens activates the innate immune system. This causes innate immune cells to migrate to the sites of infection through the bloodstream. Innate immune cells then neutralise pathogens by capturing and killing them.</p>	<p>Adaptive immunity creates specific antibodies (immunoglobulins) against a specific microbe and immunological memory, so that memory cells are formed after first contact with a microbe, promoting a much faster and more rapid response to the microbe when encountered again.</p>
PRIMARY CELL TYPES OF THE IMMUNE SYSTEM	<p> Macrophages</p> <p> Dendritic cells</p> <p> Neutrophils</p> <p> Basophils</p> <p> Natural killer (NK) cells</p> <p> Eosinophils</p>	<p>T cells </p> <p>B cells </p> <p>The adaptive immune response has two components:</p> <ul style="list-style-type: none"> • a humoral response (synthesis of virus-specific antibodies by B lymphocytes) and a cell-mediated response (synthesis of specific cytotoxic T lymphocytes that kill infected cells). • Both components of the adaptive immune response also create long-lasting "memory cells".
IMMUNOKLER INGREDIENTS THAT SUPPORT THE OPERATION OF THE IMMUNE SYSTEM	<p> BLACK ELDERBERRY</p> <p> L-GLUTAMINE</p> <p> BETA GLUCANS</p> <p> ZINC</p> <p> VITAMIN C,  VITAMIN D</p>	

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YEAST BETA-GLUCANS



show better immunomodulatory activity than other beta-glucans. They improve protection against colds, flu and other respiratory infections, reduce sneezing and nasal congestion in allergic rhinitis, and reduce inflammation related to physical load. Yeast beta-glucans activate every immune cell in the body to fight viruses, bacteria and other pathogens.

VITAMIN C

promotes normal energy metabolism and helps reduce fatigue and weakness. Vitamin C fights free radicals in the body, which may help prevent various diseases. Several scientific studies have confirmed the beneficial effects of beta-glucans in combination with vitamin C.

L-GLUTAMINE

is an important amino acid that affects everything from immunity to the body's ability to recover from injury. Healthy cells, including immune system cells, use glutamine as their preferred fuel source. A number of studies of patients have shown improved infectious morbidity when receiving glutamine.

ZINC

strengthens the immune system and is essential for the functioning of the thymus gland (the main organ of immune genesis). Zinc prevents immunodeficiency by stimulating antibody synthesis and providing antiviral effects.

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CLARIWELL

CLARIWELL team chooses the raw materials of the product with the utmost responsibility. They have high bioavailability and efficiency. Vitamins and minerals of natural origin are used. Active substances of plant origin have been selected, taking into account their purity, form and standardisation, in order to provide the customers with the highest quality and the best possible solution.

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