

- + **JACimmun™®** is a high quality standard product according to GMP
- + **JACimmun™®** has an optimal bioavailability
- + **JACimmun™®** is not genetically modified (IQCT certificate)
- + **JACimmun™®** is an enteric coated vegan capsule

Soy extract in unchanged, natural form	450 mg
Zinc gluconate	10 mg
Selenium methionine	55 mcg
Vitamin D3 (cholecalciferole)	7,5 mcg (300 I.E.)
Probiotics (bacterial cultures, mix of 10 strains)	120 mg (corresponds to 5 billion KBE)
Bifido bacteria (percentage: 50)	B. bifidum, B. breve, B. longum
Lacto bacteria	L. acidophilus, L. casei, L. delbrueckii subsp. bulgaricus, L. fermentum, L. rhamnosus, L. plantarum
Lactococcus lactis	
Inulin, potato starch, ascorbic acid,	
Fillers: vegetable magnesium salts	hydroxypropylcellulose/gellan

Warning: The recommended daily dosage must not be exceeded. Nutritional supplements are not a substitute for a healthy diet. Keep out of the reach of children.

Important Informaton: A varied diet and a healthy lifestyle are not to be neglected. Not recommended during pregnancy and lactation. This product contains multi-fermented soy to achieve an optimal bioavailability and is therefore not odorless.

Allergie: Do not take in case of soy intolerance or known allergies to soy proteins. During Marcumar® and Warfarin® medication quick levels must be monitored in short intervals. Gluten-free · lactose-free · not genetically modified (IQCT certificate).

JACimmun™® is available in packages of 60 (PZN 10037748) and 240 (PZN 10169390) vegan, gastro-resistant capsules.



New therapy approach in the treatment of **chronic inflammations** and **autoimmune diseases**

JACimmun™® high-quality plant concentrate from fermented soy

- + Regulation of cytokines
- + Regulation and destruction of immune complexes (CIC)
- + Regulation of antinuclear antibodies (ANA)
- + NK cell stimulation
- + Protection of Peyer's Plaques

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FOR MEDICAL PROFESSIONALS ONLY

JACimmun™ is a newly developed research product - a multi-fermented soy extract. As a result of a prolonged cultivation time (ripening) and the employment of a special, patented fermentation procedure of the soy beans used for JACimmun™, this product contains a very high amount of natural substances, complemented by probiotic bacterial cultures, vitamin D3, selenium methionine and zinc.

Patented Specific Fermented Soy Product

- + Fort the down regulation of chronic inflammation and for the stimulation of the immune system – without side effects

Mixed Probiotic Bacterial Cultures

- + 10 gastro-resistant bacterial strains (50% bifido strains / lacto bacteria / lactococcus)
- + Protection of **Peyer’s Plaques**
- + Reduction of **Laeky Gut**

Cholecalciferole (Vitamin D3)

- + Supports a regular inflammatory reaction
- + Regulates inflammatory activities

Selenium Methionine:

- + Selenium is a vital (essential) trace element. Selenium cannot be generated in the body, it has to be provided by food intake (important in Hashimoto’s)

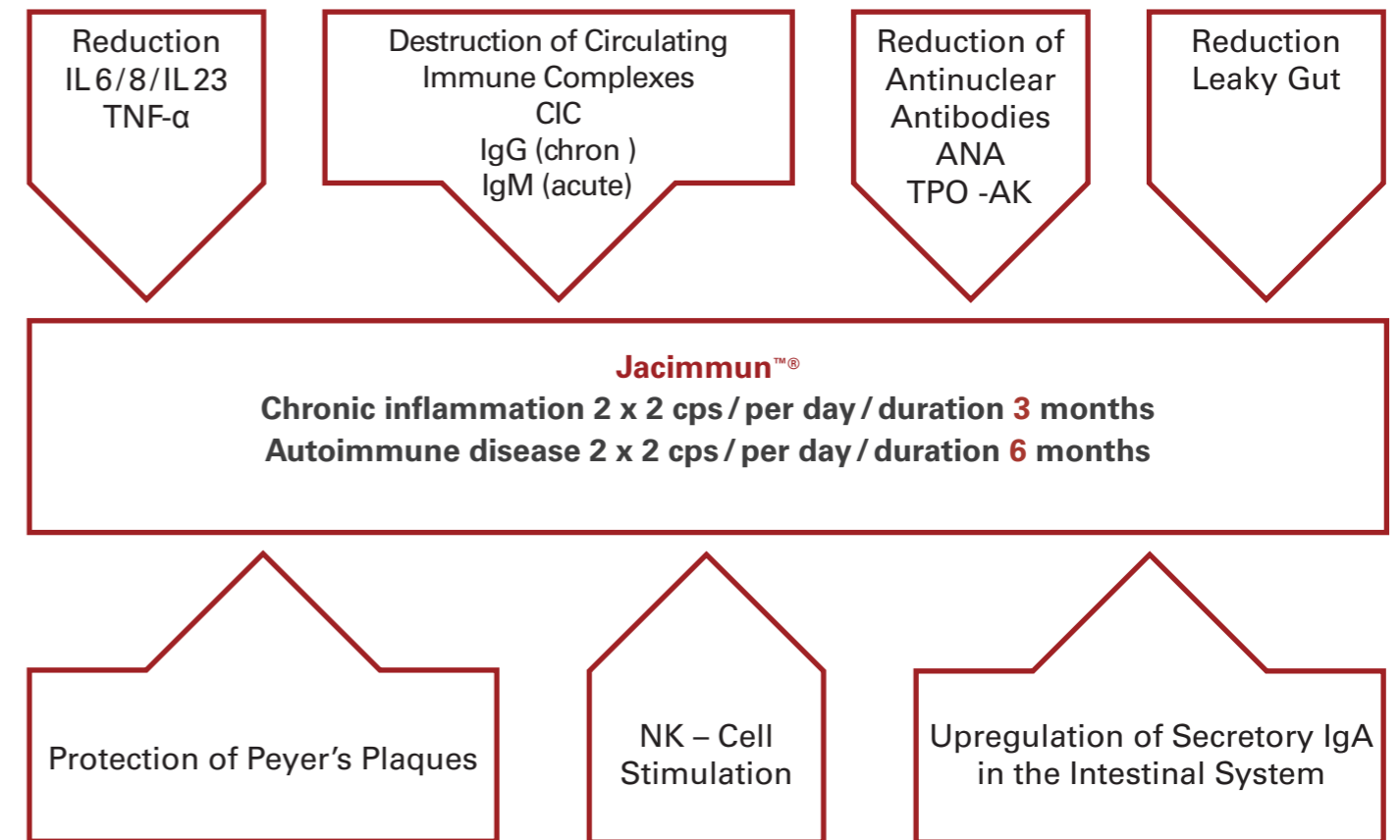
Zinc Gluconate:

- + Zinc supports the proper functioning of the immune system and is necessary to maintain regular metabolic processes

JACimmun™ capsules are applied in the treatment of inflammations and autoimmune diseases. Known are about 60-65 different autoimmune diseases. Here is a list of the most common ones:

- | | |
|---------------------------------|------------------------|
| + Rheumatoid disorders | + Hashimoto’s |
| + Colitis ulcerosa | + Basedow’s diseases |
| + Crohn’s disease | + Lichen sclerosus |
| + Vasculitides | + Lupus erythematodes |
| + Boeck’s disease (sarcoidosis) | + Autoimmune hepatitis |

Important Parameters



In a pilot project with patients suffering from autoimmune disease, JACimmun™ showed to have an influence on the following parameters:

- + **Cytokines** (proteins which regulate cell growth and differentiation) – mainly relating to **IL23, IL6, IL8, TNF-α**
- + **Antibodies** are protein compounds, which are built by the body in case of an infiltration by antigens.
- + **ANA** – antinuclear antibodies
- + **TPO** – thyreoperoxidasis antibody – a parameter in Hashimoto’s
- + **Circulating Immune Complexes** If the amount of immune complexes exceeds the capacity of the phagocytes, circulating immune complexes can be detected in serum. **CIC, IgG, IgM**
- + **Peyer’s Plaques** are part of the lymphatic system and, as an accumulation of cells belonging to our specific, acquired immune system they play an important role in fighting intestinal infections as well as in the distribution of immunological information.
- + **Leaky Gut** (or intestinal permeability) is the phenomenon of the gut wall exhibiting increased permeability. Nutrients, toxins, metabolic products and bacteria leak through the damaged bowel lining directly into the organism causing most different complaints.
- + **Secretory IgA** entraps toxic antigens (viruses, bacteria, etc.) in the gut for further transportation and excretion, so that they will not get in touch with the intestinal wall.