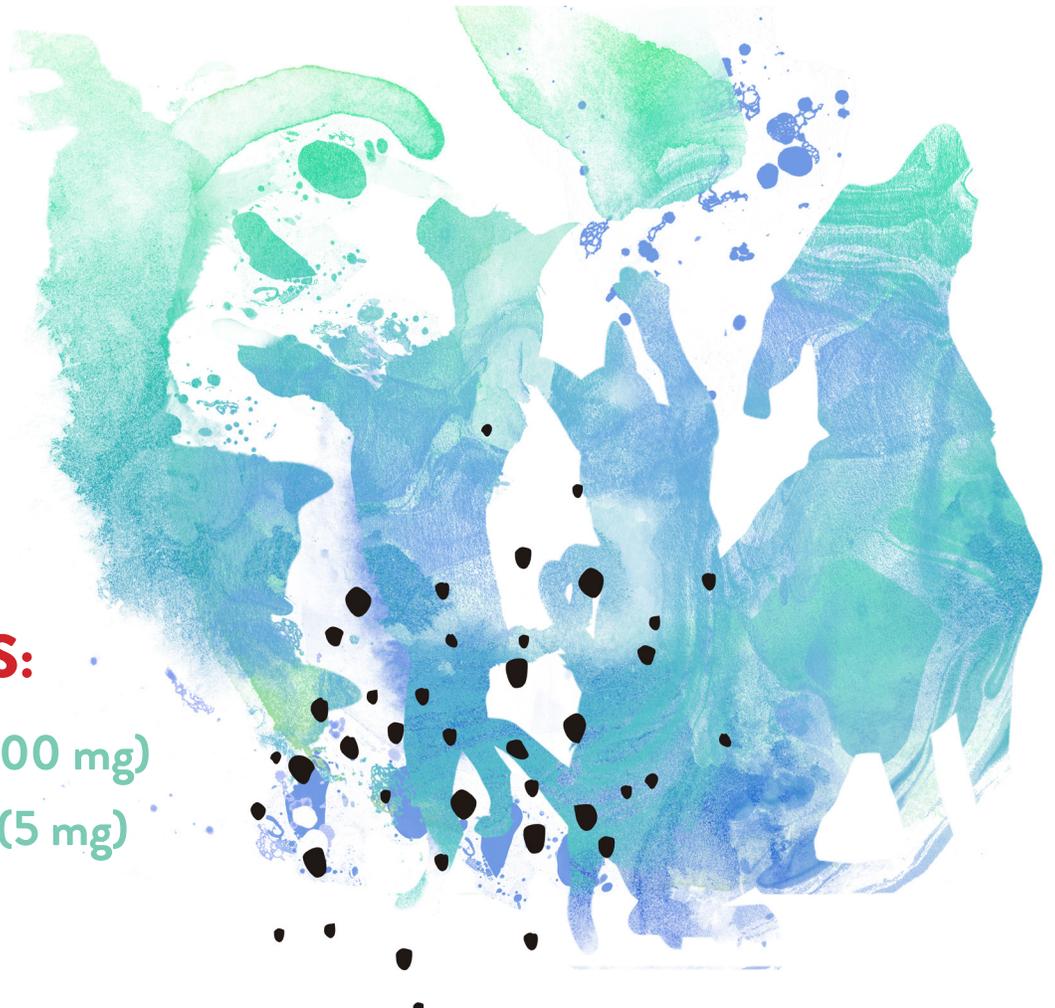




NEW FORMULA NOW CONTAINS:

- | More L-Glutamine (200 mg)
- | More Zinc Picolinate (5 mg)



Immugen®

Immune support for dogs and cats

Comprehensive Immune Support

Supports the health of muscles and joints, assists in healing, and assists mobility in active and aging animals.

Small companion animals can face numerous immune system challenges, especially when they are either very young or older. Immugen provides vitamins, minerals, amino acids, botanicals, and glandular ingredients that optimize a companion animal's immune system function.

Key Immune Support Features

- | A unique blend of immuno-protective ingredients
- | Vitamins, minerals, glandular, and botanicals with immune-supportive properties
- | Activates natural-killer cells
- | Promotes the animal's innate resistance to pathogens



Immugen – Special Nutrients

Echinacea angustifolia

Echinacea root activates the body's natural killer cells, which enhances the ability of the body's other immune cells to engulf harmful foreign substances.

Astragalus membranaceus

Astragalus has a long history of use in balancing immune function and regulating inflammation by stimulating T-cells, interferon gamma, and down-regulating NF-KB and other inflammatory messenger molecules.

Reishi mushroom (*Ganoderma lucidum*)

Reishi extract stimulates B- and T-lymphocytes, macrophages, and natural killer cells, the major cellular components of the body's adaptive immune response, which explains its traditional use in immune stimulation, allergy relief, and down-regulating inflammation.

Zinc picolinate

Zinc promotes acquired immunity and macrophage function. Numerous studies have shown a deficiency of this essential mineral negatively affects immune function, while supplementation with **zinc** can restore normal immune activity.

Vitamin A and Vitamin C (Ascorbic Acid)

Vitamin A plays a crucial role in enhancing the body's immune response by promoting the formation of epithelium, which lines all outer surfaces and most inner surfaces of the body and functions as the "front line" of defense against pathogen invasion. **Vitamin C** is well known for its role in supporting a healthy immune system. Just like humans, companion animals also can't make **vitamin C**, so it must come from the foods they eat or from supplementation. **Vitamin C** contributes to immune defense by supporting various cellular functions of both the innate and the adaptive immune system. **Vitamin C** accumulates in phagocytic cells, such as neutrophils, and can enhance chemotaxis, phagocytosis, generation of reactive oxygen species, and ultimately microbial killing.

Thymus Extract

Just like in humans, an animal's thymus gland fulfills several key purposes. The thymus gland is responsible for producing and releasing the hormone thymosin. The thymosin in **thymus extract** helps stimulate the production of T lymphocytes (or T cells), cells in the immune system that function by traveling to the animal's lymph nodes, where they help ward off infection.

Vitamin B6, Vitamin B12, Folate

Both humans and animals need **vitamin B6** to make important cells of the immune system, particularly cytokines and T-lymphocytes. **Folate** and **vitamin B12** play a crucial role in a healthy balanced immune system. Adequate levels of **folate** and **vitamin B12** enhance the activity of immune cells and support multiple metabolic processes, especially methylation, because inefficient methylation can lead to systemic inflammation that contributes to the pathogenesis of many diseases.



Immugen Immune support for Dogs and Cats



1/2 soft chew daily



1 soft chew per 25 pounds of body weight daily



GLUTEN FREE

V943-SC / 90 Soft Chews

THORNEVET

PRODUCT FACTS

Active Ingredients per 3.5-gram soft chew:

L-Glutamine	200 mg
Ascorbic Acid (Vitamin C)	175 mg
Dimethylglycine (Hydrochloride)	70 mg
N-Acetyl-L-Cysteine	70 mg
Ashwagandha Extract (KSM-66) (root) (<i>Withania somnifera</i>)	60 mg
Reishi Mushroom (<i>Ganoderma lucidum</i>)	50 mg
Maitake Mushroom (<i>Grifola frondosa</i>)	50 mg
Cordyceps Mushroom (<i>Cordyceps sinensis</i>)	50 mg
Eleuthero Extract (root) (<i>Eleutherococcus senticosus</i>)	50 mg
d-Alpha Tocopheryl (Vitamin E) (35 IU)	30 mg
Thymus (Bovine)	25 mg
Coenzyme Q10	20 mg
Licorice (root) (<i>Glycyrrhiza glabra</i>)	20 mg
Astragalus Extract (root) (<i>Astragalus membranaceus</i>)	10 mg
Pyridoxal 5'-Phosphate (Vitamin B6)	7 mg
Zinc (Picolinate)	5 mg
Beta Carotene (Vitamin A) (1,400 IU)	840 mcg
Vitamin A Palmitate (1,400 IU)	770 mcg
Folate (L-5-Methyltetrahydrofolic Acid, Glucosamine Salt)	200 mcg
Manganese (Bisglycinate)	175 mcg
Methylcobalamin (Vitamin B12)	100 mcg
Selenium (L-Selenomethionine)	7 mcg

Inactive Ingredients (soft chew matrix):

Arabic gum, buffered white distilled vinegar, chick pea flour, chicory root, citric acid, coconut glycerin, coconut oil, guar gum, natural hickory smoke flavor, rosemary extract, sunflower lecithin, sunflower oil, tapioca starch.

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