



# PROTEASE IM (aka Immune Complex)

The primary function of the immune system is to protect the body against infection and against the development of diseases such as cancer. Support, protection, and controlled stimulation of the immune system is perhaps the most important step in achieving improved resistance to disease and reducing susceptibility to colds, infections, and cancer. Recurrent or chronic infections occur only when the immune system is weakened. The compromised immune system leads to further infections that cause even greater damage to the immune system's components: thymus, spleen, bone marrow, tonsils, lymph nodes, white blood cells (neutrophils, eosinophils, basophils, lymphocytes, monocytes), and specialized cells (macrophages and mast cells).

There are two types of immunity: innate and adaptive. Innate immunity is present at birth and represents the first barrier against microorganisms. Adaptive immunity is acquired by the body after exposure and represents a detailed memory of the invaders. Factors that can create a depleted or compromised immune system might include:

Alcohol	Multiple Sclerosis
Allergies (food or airborne)	Obesity
Chronic Fatigue Syndrome	Rheumatoid Arthritis
Diabetes	Selenium deficiency
Folic acid and B <sub>12</sub> deficiency	Stress (all types)
High sugar consumption	Vitamin B <sub>6</sub> deficiency
Irritable Bowel Syndrome	Vitamin C deficiency
Iron deficiency	Yeast/fungal infection
Lowered protein synthesis	Zinc deficiency

SUPPLEMENT FACTS		
Serving Size 1 Capsule		
Amount Per Serving	% Daily Value	
Vitamin A (as beta-Carotene and Vit. A palmitate)	1750 IU	35%
Vitamin C (ascorbic acid)	125 mg	208%
Zinc (as zinc citrate)	2 mg	13%
Astragalus root	50 mg	*
Echinacea purpurea root	20 mg	*
Thymus substance	20 mg	*
Red Clover Tops	20 mg	*
Goldenseal root	20 mg	*
Raw Bone Marrow	20 mg	*
Quercetin	20 mg	*
Eleuthero (root)	10 mg	*
Tzyme™ Enzyme Blend (Protease, Lipase, Phytase, alpha-Galactosidase, Glucoamylase, Pectinase, Peptidase, Cellulase, Hemicellulase)	40 mg	*
* Daily Value not established		

Other ingredients: gelatin, water.

Tzyme™ is a trademark of a proprietary blend of highly active, pH balanced, GI tract stable and functional enzymes formulated to enhance the digestive process and impart systemic benefits.

Each bottle contains 60 capsules.

**Recommended Dosage:** Take one capsule two times daily with food or as directed by your health care practitioner.

## SYNERGISTIC FORMULA: PROTEASE

### POSSIBLE INDICATIONS FOR PROTEASE IM INCLUDE:

Allergies	Exposure to toxic chemicals
CFS	Recurrent infections
Diabetes	Rheumatoid Arthritis
Excessive stress (all types)	Vitamin/mineral deficiencies
Excessive exposure to ionizing radiation	
Recovery from microorganism infestation	

### POSSIBLE CONTRAINDICATIONS FOR PROTEASE IM INCLUDE:

Immune suppressive drug therapy  
Long-term exposure to Vitamin A  
Long-term exposure to Goldenseal

### FORMULATION RATIONALE:

Infections inhibit the body's ability to store adequate concentrations of **Vitamin A (Palmitate)**, a vitamin with antiviral and antitumor capabilities that reduces the ability of microorganisms to penetrate the skin and mucous membranes like the nasal passages and the lungs. **Beta-Carotene** has advantages that are independent of Vitamin A, enhancing thymus function and increases the number of helper/inducer T cells. **Vitamin C (Ascorbic acid)** has potent antibacterial and antiviral capabilities, elevating interferon levels, increasing white blood cell response and capability, increasing the secretion of thymic hormones, and improving the integrity of mucous membrane linings. **Non-Citrus Bioflavonoids** is a good, organic source of Vitamin C that has anti-tumor capabilities and works synergistically with Vitamin C. **Echinacea root (Echinacea angustifolia)** contains inulin, which activates the immune system's nonspecific defense and increases the production of T-cells, macrophages, phagocytosis, natural killer cells, and levels of circulating neutrophils. **Astragalus membranaceus** is excellent for strengthening deficient systems that have been damaged by chemicals or by radiation. Astragalus increases the phagocytic activity of monocytes and macrophages, raises interferon levels, and elevates natural killer cell activity. **Zinc (citrate)** acts as an essential cofactor in thymic factor (thymus hormone) and promotes the destruction of foreign microorganisms. It is required for optimal white blood cell activity. A New Zealand tissue extract, **Thymus** is a crucial component of the immune system. This glandular substance normalizes the ratio of T-helper cells to suppressor cells and increases the tone, function, and activity of the thymus gland. An herb that cleanses the blood, **Red Clover**

has both antiviral and antitumor effects. **Ligustrum lucidum** works synergistically with astragalus to protect the mucous membranes and to increase levels of interferon. **Bone marrow**, the New Zealand tissue extract, is a crucial component of the immune system. It increases the tone, function, and activity of the thymus gland. **Goldenseal** has powerful antimicrobial and antibiotic actions that are especially effective against pathogens such as chlamydia, E. coli, salmonella typhi, and entamoeba histolytica. **Ginseng (Siberian)** prevents respiratory infections as well as colds and flu. It provides energy, raises vitality, increases both stamina and endurance, and is excellent for diminishing recovery time after microorganism infections.

**Tzyme™ Protease Blend** is a proprietary blend of enzymes that aids in the lysis, targeting, and absorption of all plant-based substances. These enzymes bind with free-floating proteins that limit their destructive tendencies, which allows for maximum absorption of all nutrients.

**Tzyme™ Polysaccharolytic Blend** is a proprietary blend of enzymes that facilitates the digestion of all carbohydrates and ensures the absorption of minerals by preventing the chelating effects of phytates, pectinates, and oxalates. It ensures the optimization of polysaccharide digestion as well as the absorption of minerals by preventing the chelating effects of phytates, pectinates, and oxalates. A blend of various lipolytic enzymes that help to hydrolyze triglycerides,

**Tzyme™ Lipase Blend** helps the bioavailability of lipid-soluble vitamins (A,D,E,K) and prevents the formation of soaps by limiting the complexation of minerals with dietary fat.

Our immune system is our most powerful weapon against disease. The ingredients in this unique formulation are designed to offer support, protection, and stimulation of the body's immune system. **Protease IM** can be recommended for a wide array of vitamin and mineral deficiencies and conditions in which the immune system has been weakened or compromised. Individuals are more susceptible to developing weakened immune systems because our world is filled with such high levels of chronic stress, pollution, radiation, toxins, and exposure to a vast array of infectious microorganisms. The vitamins, glandulars, minerals, herbs, and enzymes in this formulation will offer the vital support that the immune system needs to remain healthy and to remain fully capable of providing our body with the protection that it needs.

These statements have not been evaluated by the U.S. Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

#### REFERENCES:

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