
The Possible Benefits of MetabolicZyme, a Dietary Supplement

- Provides both pancreatic enzymes and plant-based proteolytic enzymes for broad-spectrum enzymatic support*
- Provides support for healthy digestion and circulation*
- May help modulate the immune function*

Description

MetabolicZyme is a powerful enzyme formulation, with both broad-spectrum pancreatic enzymes and plant-based proteolytic enzymes. It provides nutrients that support digestion, circulation, and modulate the immune function.*

Pancreatin contains three major groups of enzymes which digest the three major kinds of food substance: amylases digest carbohydrates, lipases digest fats, and proteases (proteolytic enzymes) digest proteins. Trypsin and chymotrypsin are proteolytic enzymes derived from pork pancreas. Pepsin is a proteolytic enzyme found in the stomach. Besides their role in digestion, the enzyme family includes catalysts that participate in virtually every bodily process. Proteolytic enzymes play a role in the immune response by digesting the protein coating of cells identified as invaders, so that the immune system can detect and dispose of them.* Some proteolytic enzymes may support recovery from bruises, and after surgery.*

Papain is obtained from papaya, and bromelain from pineapple. Both predominantly break down proteins. Bromelain has also been used to help support circulation, the cardiovascular system, and joint health.* Rutin is a

flavonol glycoside comprised of the flavonol quercetin and the disaccharide rutinose. Rutin can help strengthen capillaries and may support circulation.* Rutin also has powerful antioxidant activity, with the ability to disarm reactive oxygen species including superoxide radicals and ferrous cations. It modulates the respiratory burst of neutrophils, helps maintain levels of reduced glutathione, prevents oxidation of vitamin C, and may inhibit lipid peroxidation.*

Venus' fly trap appears to have immunomodulatory properties.* Venus' fly trap extract supports macrophage production and activity, modulating the efficiency of the immune system by increasing the helper to suppressor ratio.* There is also evidence that it can support circulation and heart function, help emulsify fats and support lipase activity, and provide antioxidant activity.* The active ingredients include quercetin, myricetin, amino acids, bile salts, formic acid, naphthoquinones, plumbagin, 3-chloroplumbagin, hydroplumbagin glucoside and droserone.

Shiitake mushroom is a source of peptidoglycans which act as

immunological adjuvants to stimulate immune response.* The principal active constituent of shiitake is the polysaccharide lentinan (beta-1,3-glucan), which has been researched in Japan and elsewhere as an immune support substance.* Shiitake also contains a polysaccharide known as KS-2, and a polypentose, Ac2P, both of which are currently under investigation for effects on immune parameters.* Shiitake is an interferon inducer and increases the activity of the protective antioxidant enzyme superoxide dismutase (SOD).*

MetabolicZyme include genistein, daidzein and glycitein, standardized in their free isoflavone forms, which are more easily absorbed than bound isoflavones (glycoside form). Genistein and daidzein have similar bioactive properties, and are classified as very weak estrogens. Isoflavones modulate endogenous estrogen activity through their affinity for estrogen receptor sites, and can have estrogenic or anti-estrogenic activity, through either supply of weak estrogenic activity or competitive inhibition of estrogen receptors.* Besides hormone modulation, genistein and daidzein may support aspects of the immune response.*

The soy isoflavones (phytoestrogens) in

Serving Size: 1 Tablet

Servings Per Container: 900

Amount Per Serving:

Pancreatin (8X USP)	100 mg
Amylase	20,000 USP
Protease	20,000 USP
Lipase	1600 USP
Papain (530 DU/g)	60 mg
Rutin	50 mg
Bromelain (1200 DU/g)	45 mg
Shiitake Mushroom Powder	25 mg
Trypsin	24 mg
Venus' Fly Trap (<i>Dionaea muscipula</i>) (Leaves) Extract	10 mg
Pepsin (10M X)	10 mg
Isoflavones	10 mg
Chymotrypsin (1000 USP/mg)	1 mg

Other Ingredients: Dicalcium phosphate, cellulose, ethyl cellulose, magnesium stearate, silicon dioxide.

Suggested Use: As a dietary supplement, 1 to 3 tablets with meals, or as directed by a healthcare practitioner.



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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.