

--- ENZYME FOR HIGH FAT DIETS ---

- Fat malabsorption
- Hyper cholesterolemia
- Intermittent claudication
- Hypertension (systolic)

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- Vegetarian capsule
 - Acid stable lipase

Lipidzyme™ is a comprehensive blend of multiple enzymes specifically formulated to aid in the digestion of fat. One of the hallmarks of this enzyme combination is the use of acid stable lipase.

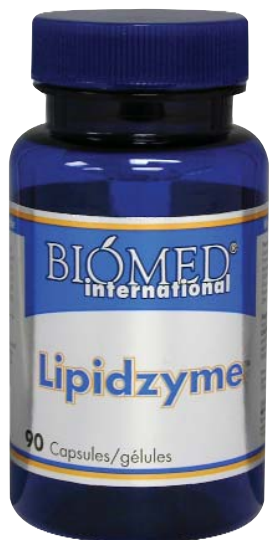
As nearly 90% of all lipase is rendered inactive by gastric acid, large doses of pancreatin are usually required to overcome this effect. However, one study by Dr. Griffin and Associates from the Department of Surgery, Medical School, University of Newcastle-upon-Tyne has shown that 400 mg (4800 U) of acid stable lipase is equally as effective as ten grams of pancreatin (60,000 U) lipase in reducing stool bulk and fecal fat excretion in vivo. Both therapies, the authors note, were significantly better in reducing these variables than the non-treatment group ($p < 0.01$).¹

By combining the enzymes with policosanol, this formulation is also useful in patients with cardiovascular conditions related to cholesterol problems. Policosanol is a mixture of alcohols isolated and purified from sugar cane. Cuban researchers found

policosanol to be effective at improving serum lipid profiles.² Policosanol decreased total cholesterol (TC), low-density lipoprotein (LDL), and increase high-density lipoprotein (HDL) by inhibiting cholesterol synthesis and enhancing LDL processing.^{2,4} When policosanol was compared directly with two cholesterol lowering medications, lovastatin and pravastatin, it was found that policosanol was more effective in lowering lipid profile, platelet aggregation, and endothelium.^{5,6} Patients in these studies tolerated policosanol better than either prescription medication. Policosanol seems to be a very promising phytochemical alternative to classic lipid-lowering agents such as the statins.⁴

In addition to its effect on hypercholesterolemia, research has also demonstrated the long-term usefulness of policosanol therapy in treating patients with intermittent claudication.⁷ Policosanol is found to be safe to use, even with anticoagulant medications like warfarin. In one in vivo study, the addition of policosanol to warfarin did not enhance the prolongation of the bleeding time induced by warfarin alone.⁸ In another clinical trial with beta-blocker antihypertensives, it was found that policosanol significantly increased propranolol-induced hypotensive effects, while the effects of nifedipine remained unchanged.⁹

In summary, the unique combination of enzymes and policosanol in Lipidzyme™ is an excellent choice for those dealing with problems of fat malabsorption and/or hypercholesterolemia.



Composition: Two vegetarian capsules contain:

Ingredients:

Protease	35,000 HUT
Amylase	10,000 DU
Lipase.....	2,500 IU
Cellulase.....	1,300 CU
Glucoamylase	30 AG
Policosanol	2.5 mg

Mode of action:

Digests proteins; anti-inflammatory, immunomodulator, anti-microbial
Digests carbohydrates
Digests fats modulator, anti-microbial
Breaks down cellulose
Breaks down glucosidic bond in starch and glycogen to produce free chain alpha-glucose
Anti-platelet, hypotensive, lowers LDL

Side effects: None known

Contraindications: Do not take during pregnancy or lactation. Do not use in individuals with known or suspected sensitivity to any of the above listed ingredients. Do not employ this product if you have an active gastric or duodenal ulcer.

Caution: Patients who are taking blood-thinning medications such as aspirin, warfarin, heparin, clopidogrel, or ginkgo, or cholesterol lowering drugs such as lovastatin, pravastatin or hypotensive drugs such as propranolol should only take Lipidzyme under medical supervision.

ADULT DOSAGE: Take 2 capsules 2-3 times a day with food, or as directed by a practitioner.

References available on request

These enzyme formulas have been specially formulated and manufactured for Biomed by Specialty Enzymes and Biochemicals Co.