

Ultrazyme™

Improved

NPN 80084139

DESCRIPTION

Ultrazyme™ is specifically formulated with bile and active digestive enzymes that act synergistically to assist in the healthy functioning of fat, protein, and carbohydrate digestion.

FUNCTIONS

The pancreas supplies the major digestive enzymes that catalyze the breakdown of fats, carbohydrates and protein, so that the breakdown products can be absorbed in the upper small intestine. Although fat digestion starts in the mouth with salivary lipase, most triglycerides are digested by pancreatic lipase, which is secreted by the exocrine pancreas into the duodenum of the intestine. Pancreatic lipase cleaves triglycerides into monoglycerides and free fatty acids, which are efficiently absorbed in the upper small intestine. Some carbohydrate digestion takes place in the mouth by salivary amylase, but pancreatic amylase is the major carbohydrate-digesting enzyme. It breaks down starches into maltose and maltotriose, which are further hydrolyzed into glucose by the disaccharidases of the mucosal cells, and then absorbed. Protein digestion is initiated in the stomach by pepsin and hydrochloric acid, which denature and divide large proteins into smaller polypeptides. The pancreatic proteases, trypsin and chymotrypsin, break down these polypeptides into free amino acids, and di- or tri-peptides, which are directly absorbed by the intestinal mucosa. Ultrazyme™ provides high levels of catalytically active pancreatic enzymes that are specific for fats, carbohydrates and proteins. Bromelain also assists in the breakdown of large macromolecular protein complexes. This reduces the chance that these complexes will leave the stomach untouched or in large fractions and helps in their absorption.

INDICATIONS

- Digestive Aid
- Digestive enzyme

FORMULA (#7022-60HYC-C)

Each Tablet Contains:

Pancreatic enzymes (from pancreas of <i>Sus scrofa</i>).....	62.5 mg
Yielding:	
Lipase.....	1000 USP
Amylase	12 500 USP
Protease.....	12 500 USP
Ox Bile (<i>Bos taurus</i>)	50 mg
L-Lysine (l-lysine monohydrochloride).....	40 mg
Pepsin (from stomach of <i>Sus scrofa</i>)	33 mg (330 000 FCC PU)
Stem bromelain (from <i>Ananas comosus</i> var. <i>comosus</i>).....	25 mg (900 000 FCC PU)
Cellulase (from <i>Trichoderma reesei</i>)	3 mg (45 FCC CU)

Non-medicinal ingredients: Dicalcium phosphate dihydrate, cellulose, croscarmellose sodium, stearic acid, magnesium stearate, silica, tablet coating (hypromellose, glycerin).

SUGGESTED USAGE

Adults: Take 2 tablets 2 times daily with meals, a few hours before or after taking other medications or natural health products, or as directed by your healthcare practitioner. Use the smallest effective dose that controls symptoms. Consult your healthcare practitioner for use beyond 4 weeks.

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RISK INFORMATION

Do not use if you are sensitive to pancreatic enzymes or pork proteins, or have gallstones or a bile duct obstruction. Consult your healthcare practitioner prior to use if you are pregnant, breastfeeding, taking blood thinners, anti-inflammatories or antibiotics, are following a low-protein diet, have diabetes, a gastrointestinal ulcer, pancreatitis, pancreatic exocrine insufficiency or cystic fibrosis, or are having surgery. Consult your healthcare practitioner if symptoms persist or worsen. Hypersensitivity, nausea, vomiting, diarrhoea, abdominal pain and heartburn have been known to occur, in which case discontinue use.

STORAGE

Store in a cool, dry place. Keep out of reach of children.

REFERENCES

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For more information on Ultrazyme™, visit douglaslabs.ca

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