

Bilex

DESCRIPTION

Bilex, provided by Douglas Laboratories, is a synergistic dietary enzyme formula that is specially formulated for digestive support.

FUNCTIONS

The pancreas supplies the major digestive enzymes that catalyze the breakdown of starches (carbohydrates), proteins, and fats, so that the breakdown products can be 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. Amylases break down starches to maltose and maltotriose, which are further hydrolyzed into glucose by the disaccharidases of the mucosal cells, and then absorbed. Although cellulose is indigestible by pancreatic and intestinal enzymes, the microflora within the large intestine may degrade it and produce uncomfortable symptoms in the process. Although fat digestion starts in the mouth with the action of salivary lipase, the great majority of fat triglycerides are digested by pancreatic lipase secreted by the exocrine pancreas into the duodenum. Lipases break down triglycerides into monoglycerides and free fatty acids, which are efficiently absorbed in the upper small intestine. Protein digestion is initiated in the stomach by pepsin and hydrochloric acid, which denature and break large proteins down to smaller polypeptides. In the small intestine, proteases break down these polypeptides into free amino acids, and di- and tripeptides, which are directly absorbed by the intestinal mucosa. Papain is a protease enzyme derived from papaya and is an enzyme that breaks peptide bonds. Bile is normally secreted by the gallbladder to digest fat. Ox bile is very similar to human bile to help aid in digestion and assimilation of lipids in the small intestine.

INDICATIONS

Bilex may be a useful dietary supplement for individuals desiring digestive support of food.

FORMULA (#7102)

3 Tablets Contain:

Pancreatin (8X).....	47 mg
Yielding approximately:	
Amylase	9400 USP units
Protease.....	940 USP units
Lipase	1970 USP units
Papain	372,000 USP units
Ox Bile Extract.....	380 mg

Other ingredients: Cellulose, vegetable stearate and silica.

SUGGESTED USE

Adults take 3 tablets daily with meals or as directed by a healthcare professional.

SIDE EFFECTS

No adverse side effects have been reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

Bilex

REFERENCES

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Greenberger NJ. Enzymatic therapy in patients with chronic pancreatitis. *Gastroenterol Clin North Am* 1999;28:687-93.

Layer P, Keller J. Pancreatic enzymes: secretion and luminal nutrient digestion in health and disease. *J Clin Gastroenterol* 1999;28:3-10

For more information Bilex visit douglaslabs.com

† 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.

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Your patients trust you.**

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