

HYPO-D

Ingredients: Each Two Phase Tablet Supplies: Phase one in Stomach: Betaine HCL 155mg, L-Glutamic Acid 100mg, Pepsin 105mg, Papain 50mg. Phase two in Duodenum: Pancreatin 100mg, Pancrelipase 50mg, Amylase 30mg, Bromelain 30mg, Ox Bile 65mg, and Parotid 2mg.

Supportive Function: The individual with insufficient acid secretion who is looking for additional HCL and digestive enzyme support might choose Hypo-D.

When is HCL and enzyme support helpful? Digestive upset, burping and belching directly after meals, food allergies, osteoporosis, eczema, skin conditions caused by allergies.

Clinical Applications/Research: Betaine HCL: Hydrochloric acid (HCL) aids in phase one digestion in the stomach. HCL is necessary for protein digestion. It plays a key role in activating inactive precursor proenzymes (chymotrypsinogen and trypsinogen) to their active form (chymotrypsin and trypsin), which then start to uncurl protein in the stomach. It also maintains the acid environment of the stomach, which is necessary to prevent bacterial growth.

Pepsin: Pepsin is a protein-digesting enzyme that is most active in a 1-2 pH environment. Pepsin is most helpful in the stomach as a digestive aid.

Papain: Extracted from papayas, papain soothes the stomach and aids in protein digestion. Papain has been shown "to be effective in celiac disease patients by digesting the wheat gluten and rendering it harmless" (Murray and Pizzorno, Encyclopedia of Natural Medicine, Prima Publishing, Rocklin, CA, 1991, p. 54).

Pancreatin: Pancreatin is utilized in phase II digestion in the duodenum. Pancreatin refers to preparations of enzymes secreted by the pancreas. Pancreatic enzyme deficiency is said to be at the root of many degenerative diseases. Pancreatin is often used in treatment of indigestion, malabsorption and inflammatory conditions. "It converts not less than 25 times its weight of starch into soluble carbohydrates and not less than 25 times its weight of casein into proteoses (hydrolyzed protein) within 5 minutes" (Merck Index, Merck and Co., Rahway, NJ, 1989, p. 1581).

Pancrelipase: Pancrelipase is a pancreatic enzyme preparation with a high lipase concentration to improve fat digestion.

Amylase: Amylase is a highly effective, carbohydrate-digesting enzyme.

Bromelaine: Bromelaine is a highly effective, proteolytic (protein-digesting) anti-inflammatory enzyme extracted from pineapple. It is most active in the 5-8 pH range, which starts digestive activity in the duodenum.

Ox Bile: Ox bile contains bile salts that act as excellent liver detoxifiers in certain toxic states. The bile acids in bile keep cholesterol from becoming too concentrated and thus forming gallstones. Studies show that bile extract supplementation stimulates bicarbonate secretion by the pancreas and duodenum (Gastroenterol. Clin Biol 1991; 15 (8-9): 574-9).

Testimonials/Nutrient Tidbits: Nutrient tidbit: Michael McCann, M.D., describes his success with pancreatic enzyme supplementation on a 37 yr. old woman with life long

eczema, intermittent diarrhea and weight loss. In an abstract presented to the 1992 Food Allergy Symposium sponsored by the American College of Allergy and Immunology, he reports that supplementation resulted in a, “complete clinical remission and resolution of eczema for the first time in her adult life. She was also able to discontinue all other drugs” (from Crook, William G., The Yeast Connection Handbook. Professional Books, Inc. Jackson, Tenn. 1996 p. 172).

A doctor reports... “It’s an ace in the hole” (Antoinette Nowakowski, D.C. Durango, CO.)

Most doctors report... Amazing formula! Works great for my patients with chronic digestive problems, food allergies, etc. I would highly recommend it!

Suggested Dosage: 1-2 tablets 3 times daily with meals or as directed

Size: 90 tablets

Vegetarian: No

Contraindications: Do not take in the presence of an ulcer. **DO NOT CHEW.**