



# PrepZymes®

**D**igestive problems comprise the number one health problem in North America. These concerns, encompassing everything from hemorrhoids to colon cancer, result in more time lost—at work, school, and play—than any other health problem. They also appear to be occurring with greater frequency—while many of them were almost unheard of in our grandparents’ times, they are cropping up more and more and at an earlier and earlier age.

One way to help maintain digestive health is to be sure you get enough nutritious foods and digestive enzymes. Enzymes are essential to a healthy body because they transform food into nutrients.

## Enzymes

Enzymes are the sparks that cause or speed up the essential chemical reactions our bodies need to live. The human body produces millions of enzymes every second. Enzymes are necessary for providing cellular energy, for repairing all tissues, organs, and cells, for stimulating the brain, and for digesting foods. This includes the absorption, transportation, and metabolism of nutrients as well as the elimination of waste.

## Three classes

Three classes of enzymes are metabolic enzymes, digestive enzymes, and food enzymes. Metabolic enzymes catalyze, or spark, the reactions within the cells. The body’s organs, tissues, and cells are run by metabolic enzymes. Without them, our bodies would not work. Among their chores are helping to turn phosphorus into bone, attaching iron to our red blood cells, healing wounds, and seeing that our hearts beat.

Digestive enzymes are secreted by the pancreas and break down foods, allowing their nutrients to be absorbed into the bloodstream and used in body functions. They ensure that we get the greatest possible nutritional value from foods. Digestive enzymes include protease, which digests protein; amylase, which digests carbohydrates; lipase, which digests fats and oils; and maltase, which digests malt sugars and grains.

Food enzymes are enzymes supplied to us through the foods eat. They include digestive enzymes, but also enzymes



## Key Benefits and Features

- Helps maintain digestive health
- Allows for more thorough digestion of food
- Improves assimilation and utilization of food
- Increases energy
- Unique and proprietary formula—177 mg of enzymes, 50 mg of alpine wild garlic leaf, and 40 mg of papaya fruit per capsule
- Specially made for high-sugar, high-fat diets commonly found in “industrialized” countries
- Contains cultured enzymes
- 100-count vegan capsules

unique to the particular foods. Food enzymes help us “pre-digest” foods; that is, start breaking down foods before our bodies’ enzymes begin to do so.

## The importance of enzymes

Enzyme theory is based on the pioneering work of Dr. Edward Howell in the 1920s. He wrote two books on the subject and theorized that humans are given a limited supply of enzyme energy at birth, and that it is up to us to replenish our supply of enzymes to ensure that their vital jobs get done. If we don’t replenish our supply, we run the risk of ill health. Current research shows that as we age, we produce a reduced number of enzymes.

Enzyme theory became more popular as the Western diet became more dependent on processed and cooked foods. Enzymes are extremely sensitive to heat; food enzymes are destroyed at temperatures above 118 °F. Pasteurizing, canning, and microwaving all destroy enzymes. This means that cooked and processed foods contain few, if any, enzymes, and that the typical diet found in industrialized countries is enzyme-deficient.

Nutritional studies have shown that a regular diet of cooked and canned foods causes the development of chronic degenerative diseases. This points back to the importance of eating raw fruits and vegetables. Only raw foods have functional “live” enzymes. And the more raw foods you eat, the more live enzymes you get.

## The benefits of enzymes

The benefits of providing the body with more enzymes are many. As noted, getting more enzymes aids the body’s own enzyme supply, which may lead to a healthier life.

Most widely known is that digestive enzymes help us digest foods more completely. This means that we utilize more nutrients (which might mean that we eat less and maintain a stable weight) and experience better health.

There is another advantage to being sure that foods are well-digested. When foods are not well-digested, they remain in the stomach and can rot and putrefy. This results in a buildup of waste in the colon. This fecal matter begins to decay, producing bacteria and toxins. The toxins eventually seep through the bowel wall, where blood capillaries pick them up and distribute them throughout the body. This can result in health problems. These problems include constipation, stomach bloat, poor digestion, gas, fatigue, weight gain and weight loss, headaches, and more. Using digestive enzymes ensures that your foods are more completely digested, helping to eliminate potential problems due to toxins.

## PrepZymes

PrepZymes combines cultured enzymes with papaya fruit and alpine wild garlic for the best possible digestive product: one that provides you with important enzymes to help you digest the foods you eat as well as the materials to fight metabolic damage.

### Papaya fruit and alpine wild garlic

The papaya fruit found in PrepZymes contains papain. Papain is an enzyme that sticks to proteins, aids in protein

digestion, and has a soothing effect on the stomach. Alpine wild garlic aids in digestion and also contributes antioxidant activity to the formula.

### Cultured enzymes

Cultured enzymes are valuable because they have a wide work environment; that is, they are active in both acidic and alkaline environments. The enzymes are cultivated, strained off, and purified so that no fungi, bacteria, or yeasts remain in the product.

The unique combination of enzymes in PrepZymes has been specially formulated to:

- Replace the naturally occurring enzymes lost during food processing, food preparation, and cooking, as well as due to irradiating or the cultivation of depleted soils.
- Meet the digestive needs of the diet found in industrialized countries, which typically includes fats and proteins, hidden sugars, dairy products, snack foods, and processed foods.

### How to use PrepZymes

- To aid in digestion, take one capsule before or during each meal.
- Close tightly after opening and store in a cool, dry, dark place (70-75 F; 20.1-23.8 C). Do not refrigerate.

## Q & A

### Who should use PrepZymes?

If you believe that you are not digesting foods well, you should use digestive enzymes. In addition, we have fewer enzymes as we age, so we should always consider using digestive enzymes as we grow older.

### May children and pregnant women take PrepZymes?

Yes, they may. Both children and pregnant women should take the usual adult serving of one capsule before or during each meal. However, when using dietary supplements, it is recommended that you consult your health-care practitioner.

### Is there anyone who should not take PrepZymes?

Yes, it is not recommended that those with gastritis or gastric or duodenal ulcers use AIM PrepZymes.

### May I take PrepZymes with FloraFood or other AIM products?

You may take PrepZymes with other AIM products. PrepZymes and AIM FloraFood are both best taken with meals. However, PrepZymes will break down the bacteria in FloraFood, so take these products with alternate meals.

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