Enzymes: Critical to Life
Tiny, highly active substances called enzymes play an amazing role in digestion. Enzymes function as protein catalysts. A catalyst speeds up or slows down a chemical reaction in the body. In digestion, enzymes are produced by the body to help completely break down food for proper absorption. Enzymes in the body are critical to all known life processes. Without enzymes, life could not exist.

Raw Food Vs. Cooked Food
All uncooked foods naturally contain a wide variety of enzymes. When we eat uncooked food, these enzymes are highly active and promote the digestion of the food itself. Recent research has now shown that our digestive enzyme systems gradually wear out with use, especially if we eat a predominantly cooked food diet.

The process of cooking food destroys the enzymes inherent to the food, which requires our body to produce larger amounts of these enzymes in order to digest the food. A lifetime of eating mostly cooked food hastens the failure of our natural enzyme production systems.

When cooking food, the higher the heat, the worse the destruction of enzymes. For example, whole wheat bread baked at 350 degrees requires our bodies to make far more digestive enzymes than eating soup that was heated only at boiling temperature (212 degrees F).

The Digestive Process
To digest food properly, especially cooked food, the body first releases ptyalin in the mouth as you chew the food. Next, as the food enters the stomach, the stomach secretes hydrochloric acid and pepsin to continue breaking down the food. Then, the food travels to the small intestine, where it will spend several hours being digested.

Upon entering the small intestine, the pancreas releases 3 main digestive enzymes: protease to digest protein; lipase to digest fat; and amylase to digest carbohydrates.
Unfortunately, the ability of the pancreas to produce these enzymes slowly declines with age. The more cooked food we consume, the sooner the body’s capacity to make enzymes declines. In addition, the body’s ability to produce enzymes can diminish dramatically with stress, illness, and exposure to toxic chemicals.

**Good Digestion: Good Health**
Healthy digestion helps support your immune system’s response. Good digestion also helps prevent the entry of incompletely digested food particles into the blood. An efficient digestive process promotes complete digestion of food, which can mean a healthy intestinal tract with superior mineral absorption.

**Protein Digestive Support**
Quantum Protease helps promote efficient protein digestion.* Protease enzymes help break down undigested proteins and cellular waste products, thereby supporting the immune system’s vigor. Thus, protease enzymes also support healthy macrophage activity.

**Enzyme Deficiencies: Whole Body Problems**
Exciting new molecular, biological research suggests that to slow the aging process and to support the immune response, taking a supplement with living plant digestive enzymes may reduce the body’s digestive enzyme burden, and thereby, promote efficient digestion, healthy immunity and thereby extend the life of your own enzyme systems.

**Three False Enzyme Theories**
In the past, several false theories advised against taking enzyme supplements, but these theories have been thoroughly refuted by over 20 years of scientific research and new, cutting-edge enzyme research.

The first theory claimed that stomach acid destroyed enzymes if taken orally as a supplement. However, research shows that oral enzymes do survive stomach acid and that they can provide great help to the body’s own digestive process. Many years of use have also shown oral enzymes to be extremely safe and beneficial for long-term use.

The second theory claimed that taking enzyme supplements might lead to deterioration or atrophy of your own digestive enzyme production. However, exciting research shows exactly the opposite. With regular use of oral enzyme supplements, the body’s enzyme production burden becomes much less, so the number of years that the body can produce these enzymes can actually be extended.

A third theory claimed that oral digestive enzymes were too large to enter the blood so they could not be useful. However, new research has proven that oral enzymes do indeed enter the blood intact and can be very helpful, including effective immune support.

**Beware of Junk Enzymes**
Beware of “junk” enzyme supplements. Digestive enzymes used in commercial digestive products can vary widely in quality.

If the enzymes in a product have originated from an animal, its potency may be highly variable, with often no activity at all. In addition, animal-source enzymes typically contain toxic tagalongs such as pesticide and synthetic hormone residues. Worse yet, they may also present the risk of prion exposure (viral-like particles from mad cow disease).

On the other hand, if enzymes are extracted from a plant source such as fungi (usually Aspergillus), they may be free of pesticides and hormones, but they almost always contain remnant fungal residues, which itself can be immune compromising. We have found many plant enzyme products to be contaminated with residual fungal toxins, which presents an unnecessary risk of developing fungal infection.

Secondly, we have also found many plant enzyme products to be too highly heated in their extraction process, resulting in damaged, inactive enzymes.

**New Cutting Edge Enzyme Research**
Quantum Protease offers the most efficient delivery available of once living, plant-source enzymes to support the body’s own enzyme production.* Quantum Protease is made using a break-through proprietary fermentation process using Aspergillus to yield the most highly purified, unheated, fully active enzymes.

This revolutionary process yields the highly purified enzymes, free of any toxic Aspergillus residues, thereby eliminating any risk of immune system compromise.

**Quantum Protease - Ingredients**
Each capsule contains highly purified plant enzymes (Aspergillus source) yielding Protease 132,000 HUT (Hemoglobin Unit Tyrosine Base) in a base of pure Japanese coral minerals. Made with 100% solvent-free vegetable capsules. No fillers or binders.

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<th><strong>Recommended Use</strong></th>
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<td>Adults or children (age 4 &amp; up): Take 1 capsule, 2 times daily, preferably between meals. For special blood cleansing programs recommended by your practitioner, up to 12 individual servings may be taken daily on an empty stomach. (1 serving = 1 capsule)</td>
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*This statement has not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.