

# Hi Potency Digestive Support



## Quantum Digest

*Living Plant Enzymes for Superior Digestive Support\**



*Quantum Digest: Don't eat cooked food without it!*

### 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. Finally, 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 en-

### The Best Plant Enzymes

Breakthrough, proprietary Japanese fermentation process which yields superior, fungal-free plant enzymes:

#### ❖ Plant-Source Enzymes

- No risk of toxic prions from animal-source enzymes (Prions are viral-like particles from "mad cow disease")
- No risk of pesticide/synthetic hormone residues from animal-source enzymes

#### ❖ Highly Purified

- No fungal residues from poor-grade plant enzymes

#### ❖ Full Spectrum

- A broad range of enzymes to support key digestive needs: fat, protein, starch, lactose, sugar, and fiber

#### ❖ Highly Active

- Premier quality and unmatched enzymatic activity

#### ❖ Rich Organic Acid Substrate

- Our enzymes are supported in a rich organic acid substrate to enhance the body's own capacity to produce enzymes

#### ❖ 100% Pure Vegetable Capsules

- No tablets with toxic glues or binders
- No animal gelatin capsules with risk of prion contaminants

zymes 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

An efficient digestion can help enhance your immune system's response. With good digestion, the body can destroy harmful organisms naturally present in food before they can gain entry to the body; this saves the body from many potential infections. Good digestion also prevents the entry of incompletely digested food particles into the blood.

An efficient digestive process promotes complete digestion of food which can mean a healthier intestinal tract, reduced blood cholesterol, improved mineral absorption, reduced blood glucose levels, reduced blood triglyceride levels and may even help prevent tooth decay.

\*These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.

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## Poor Digestion: Poor Health

In contrast, a poor digestive system can allow the blood to become more toxic due to incompletely digested food particles absorbed through the bowel into systemic circulation, which can eventually lead to immune system failure.

In poor digestion, incompletely digested food particles can lead to chronic illness by creating many whole body symptoms, such as allergies, fatigue, aching joints, skin disorders and much more. In turn, these incompletely digested food particles can initiate a strong immune response necessary to hunt down and destroy irritant-like compounds before they do any more damage.

## Enzyme Deficiencies: Whole Body Problems

Enzyme deficiencies are widespread. They can contribute to constipation, arthritis, hearing loss, cystitis, diarrhea, hay fever, incontinence, allergies, depression, fatigue, mood swings, PMS, skin rashes, hot flashes, sinusitis, diverticulitis, irritable bowel syndrome and chronic fatigue.

Exciting new molecular, biological research suggests that to slow the aging process and enhance immune response, taking a supplement with living plant digestive enzymes may reduce the body's digestive enzyme burden, boost digestion, enhance 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, such as helping to clear inflammation. However, new research has proven that oral enzymes do indeed enter the blood intact and can be very helpful, including helping to clear inflammation.

## 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 tag-alongs such as pesticide and synthetic hormone residues. Worse yet, they may also present the risk of prion exposure (viral-like particles from "mad

cow syndrome").

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 most plant enzyme products to be contaminated with residual fungal toxins, which presents an unnecessary risk of developing fungal infection, such as fungal lung infection. Secondly, we have also found most plant enzyme products to be too highly heated in their extraction process, resulting in damaged, inactive enzymes.

## New Cutting Edge Enzyme Research

Quantum Digest offers the most potent delivery available of once living, plant-source enzymes to support and enhance the body's own enzyme production. Quantum Digest is made using a breakthrough 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 Digest delivers a broad spectrum of the most potent and purest source of plant enzymes. It contains all 3 typical enzymes: protease, amylase and lipase, but it also contains special enzymes: invertase, lactase, maltase and cellulase. Together this broad spectrum of enzymes helps support digestion of all types of food: protein, starch, fat, lactose, sugar and fiber.\*

Cellulase, the enzyme that digests cellulose (fiber), may liberate arabinogalactan and other arabino compounds such as arabinoxylan, from the fiber of foods. These compounds are now proven, powerful immune stimulators, capable of increasing natural killer cell and macrophage activity.

Quantum Digest supplies the enzymes themselves complexed with a premier substrate, organic South American apple cider vinegar. Our one-of-a-kind organic vinegar is the real thing, made from nonhybrid, ripe, healthy, nonmoldy apples, yielding the legendary effects for which vinegar became so famous but no longer delivers. It is not the toxic vinegar commonly found in the U.S., made from colored petroleum distillates or inferior, moldy, overripe apples.

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## Quantum Digest: *Don't eat cooked food without it!*

**Recommended Use:** Adults and children (age 4 and up): Take one capsule near the end of each main meal. Just one capsule delivers excellent digestive support. For special programs, 2 to 4 capsules per meal may be used. If chronically ill, take 1 to 2 capsules with every meal.

### References

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## Quantum Digest Ingredients

60 capsules per bottle. Each 500 mg. vegetable capsule provides:

<b>Protease</b>	30,000 HUT ( <i>Hemoglobin Unit Tyrosine base</i> )
<b>Lipase</b>	145 LU ( <i>Lipase Unit</i> )
<b>Amylase</b>	10,000 DU ( <i>Alpha-amylase Dextrinizing Units</i> )
<b>Cellulase</b>	600 CU ( <i>Cellulase Unit</i> )
<b>Invertase</b>	0.75 IAU ( <i>Invertase Activity Unit</i> )
<b>Lactase</b>	360 LacU ( <i>Lactase Unit</i> )
<b>Maltase</b>	250 DP ( <i>Degrees of Diastatic Power</i> )

In a base of organic South American apple cider vinegar powder (33% *Acetobacter*). The enzyme activity of Quantum Digest is based on food chemical codex (FCC) units, recognized by the FDA.