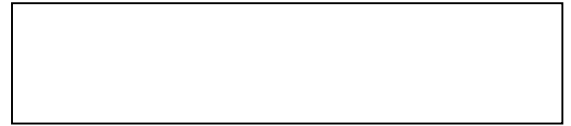




Total-Zymes™

The most complete digestive enzyme for your pet



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Does your pet suffer from the Symptoms of Poor Digestion?

- Gas or loose stool
- Poor coat or skin condition
- Being lethargic
- Allergies
- Poor health
- Breath or body odor
- Stiff joints
- Slow healing
- Bloating
- Excessive shedding
- Eating own stool
- Poorly working intestine

Digestive enzymes are essential to good health because they enable the body to obtain nutrients from food. Without digestive enzymes, even the most nutritious foods will not be of any use to the body. A typical animal's diet is full of cooked and processed foods. These foods are unnatural to pets and it strains the digestive system and the whole animal's system. This makes ample amounts of digestive enzymes even more important.

A growing number of vets are stating that processed pet food is the main cause of illness and premature death in the modern house pet. **Animals thrive on a 100% raw diet, as they would in nature.** However, that may not be very practical.

The Answer?



Total-Zymes™ is a high performance broad-spectrum digestive enzyme formula like Ultra-Total-Zymes™.

Total-Zymes™ is the most complete pet digestive enzyme product in the world utilizing 14 high performance plant based enzymes and L.E.A.D.S.® Live Enzyme Activated Delivery System®. L.E.A.D.S.® insures complete digestion and assimilation of all your pets food at a cellular level.



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Brief Description of Enzymes	What they digest
Protease, Peptidase	proteins
Amylase, Alpha-Galactosidase	carbohydrates
Glucoamylase, Invertase, Malt Diastase	glucose/sugars
Lipase, Lipase AN	fats and oils
Cellulase, Pectinase	fiber
Lactase	lactose and milk sugars
Phytase, Hemicellulase, Xylanase	releases plant minerals

Total-Zymes™ is further enhanced with **L.E.A.D.S.® (Live Enzyme Activated Delivery System®)**, to insure assimilation at a cellular level. Mineral co-factors help to activate each ingredient for maximum particle digestion and complete nutrient distribution throughout the body, thereby increasing the formula's bioavailability. This enzyme delivery system first used with great success in human nutrition, is now available for your pets to guarantee nutrient delivery on a cellular basis.

Active Ingredient Overview

Protease- proteases refers to a group of enzymes whose function it is to break down proteins and are also referred to as proteolytic enzymes or proteinases. The proteins are broken down to its basic building blocks - amino acids. In order to have the amino acids available to the body, these enzymes have to break down the proteins to free them, and this important compound is being used in therapies such as oncology, inflammation conditions and immune control.

Amylase- amylase refers to a group of enzymes that breaks down sugars and starches. They are required to digest carbohydrates (polysaccharides) into smaller units (disaccharides), and eventually converting them into even smaller units (monosaccharides) such as glucose.

Alpha-Galactosidase-this enzyme breaks down carbohydrates, such as raffinose, stachyose, and verbascose. It can help prevent the gas and other gastrointestinal symptoms that occur after eating a high-fiber diet of beans and grains.

Malt Diastase- or maltase is an enzyme that is the catalyst in the hydrolysis of disaccharide maltose to the simple sugar form – glucose. When starch is eaten, it is partially digested and transformed to maltose by both the saliva enzymes and pancreatic enzymes called amylases. The maltase secreted in the intestines, then convert this maltose into a more ready useable sugar glucose, or the glucose could also be stored in the liver for future use.

Lipase- is the enzyme required to break down of fats and lipids. In order for fat to be digested properly, the liver starts this process emulsifying the large fat molecules, and bile breaks it down to small droplets, allowing the lipase to start its work.

Glucoamylase- is used to breakdown carbohydrates, specifically polysaccharides.

Invertase-this enzyme breaks down carbohydrates, especially sucrose.

Pectinase- breaks down carbohydrates, specifically pectin in fruits, such as apples.

Phytase- breaks down carbohydrates, specifically phytates in plants. It can increase mineral absorption and the bioavailability of iron, zinc, calcium, and magnesium.



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Hemicellulase- is used to breakdown carbohydrates, especially polysaccharides such as hemicelluloses, which are found in plant foods.

Cellulase- breaks down cellulose, an indigestible fiber found in many fruits and vegetables.

A study of Dr. Francis **Pottenger's cats** (over 600 of them) revealed that when the animals were fed only cooked or processed food over many generations, degenerative disease presented itself at younger and younger ages. These animals suffered from kidney, heart, thyroid and gum diseases, as well as allergies, infections and a host of other maladies. They had fewer enzymes to give their offspring, resulting in minimal reserves of enzymes in the ensuing generations. We have seen this evidenced in the early onset of arthritic conditions.

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We at Ultra-Pet Products will never use any animal based enzymes such as from slaughterhouse pigs and cows.

First, they are not as efficient as plant based or fungal enzymes and they are not as safe as plant or fungal type enzymes. The following side effects are possible **with animal based enzymes such as pancreatin; ox bile or other animal sourced enzymes including hydrochloric acid.** High doses may cause diarrhea, cramping, or vomiting. Allergic reaction to animal based products may include facial swelling, hives, scratching, sudden onset of diarrhea, vomiting, shock, seizures, pale gums, cold limbs, or coma.

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That is why the formulators of Total-Zymes™ will only use safe human quality plant based and fungal-based enzymes.

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Remember!

Enzymes do not survive the high heats required to process commercial pet foods. Both kibble and canned foods are cooked!

A diet of commercial pet foods puts excess strain on a pet's digestive system. Temperatures as low as 118 degrees Fahrenheit will deactivate and kill **all** enzymes, requiring the pet's body to produce the extra enzymes it needs for digestion.

Benefits of Enzyme Supplementation

- Increases the bioavailability of nutrients by helping to convert food into fuel the body can use for energy.
- Increases transit time of food through the gastrointestinal tract, thus decreasing toxic byproducts.
- Helps decrease the odor of feces.
- Helps pets that tend to vomit after eating.
- Improves skin and hair coat.
- Assists in recovery from surgery, illness or injury.

Many veterinarians have found enzyme supplementation to be beneficial in immune and digestive disorders, cancer prevention, joint disorders, poor skin and hair coat, excessive shedding, allergies and lethargy (low energy levels).

1. How do I use Total-Zymes™ properly?

Total-Zymes™ should be taken with every meal. One scoop of Total-Zymes™ will digest one cup of any pet food. Total-Zymes™ should be consumed just before or during meals, for help with stomach related symptoms like gas, burping, water retention, bloating, fatigue, etc. Mix with canned food or sprinkle over dry kibble.

2. Why are the enzymes in this formula measured in FCCPU instead of mg.?

Enzymes are measured by reaction time, rather than by amount or weight. The unit measurements used for each enzyme refers to the length of time and the intensity of the reactions it creates.

3. What can I expect to see with my pet after using this formula?

Pets suffering from gas, poor digestion, bloating, cramping, fatigue after eating or odd cravings, can expect these symptoms to diminish aft

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