

Doterra TerraZyme (digestive enzymes)

Questions & Answers

1. Why is TerraZyme better than other enzymes?

a. TerraZyme's enzymes are derived from different types of fungal sources (Aspergillus, Rhizopus, Trichoderma, Saccharomyces). One source works at a very low pH (acidic) environment and another works at a very high (alkaline) environment. TerraZyme is active from pH 1.7 to a pH 11. This allows it to be used not only for pre-digestive stages but also throughout the whole digestive tract and blood stream.

b. TerraZyme also contains all the minerals necessary to activate each enzyme in the product. Every enzyme has its own mineral that helps it to work better. Only TerraZyme contains each specific mineral for each specific enzyme. An enzyme without its co-factor mineral is like a light bulb without a light switch. This enzyme/mineral combination is our patented AES delivery system.

2. What is Enzyme Assimilation System and how does it work?

The Enzyme Assimilation System is the process of taking an enzyme with its activating co-factor mineral and combining it with a nutrient that can be broken down by that enzyme (i.e. a protein combined with protease and calcium ascorbate). When a protein combined with the right enzyme and mineral can be broken down faster and better than allowing the body to perform this task all by itself. Thus the body can utilize the nutrient with ease and not expend a lot of energy in the digestive process.

3. What about other digestive Enzymes? Will they help digest my food too?

There are two other varieties of digestive enzymes. Plant and Animal make up those two categories. Plant enzymes (usually derived from Bromelain and Papain (pineapples and papaya) are good for digesting protein but only outside the body (such as marinating a steak) as both are inactivated or destroyed at a pH of 4 or less. Your stomach acid is a pH of 2.5 depending on the meal and the person.

Animal enzymes or pancreatin, chymotripsin, pepsin, or others, are good at digesting proteins and fats in the lower portion of the stomach, the duodenum and small intestines where the pH is very acidic. This does nothing for pre-digestion in the cardiac stomach nor is it active in any pH over 5 as in the blood (roughly pH of 7.2). TerraZyme was made to be active at all pH levels from pre-digestion, through the small intestines and into the blood stream.

4. How can you prove that TerraZyme works in the blood stream?

Well this was a dilemma that we faced but we took on the challenge of proving it through various blood markers. If the lipase in TerraZyme were to enter the blood in an active form than we assumed that it would lower triglyceride levels at a much faster rate than what the normal human body could accomplish. We tested this theory by performing clinical studies drawing blood at different times after eating a meal and found that on average those who took TerraZyme with their meal dropped their triglyceride levels by more than 18% over those who did not take TerraZyme. We followed through on other food by-products including blood glucose levels, serum uric acid levels and cholesterol levels. All were improved by taking TerraZyme. Though its use is still not recognized by the CDC nor NIH, we also tested TerraZyme with the Darkfield microscope with excellent results

5. Can I benefit from taking TerraZyme with or without food?

Yes. If you take TerraZyme with your meal it will aid in all stages of digestion thus allowing the body to use the energy it would have used, to be used for other bodily functions. If you take TerraZyme on an empty stomach, the enzymes will survive the process and enter into the blood stream. It will search for proteins, sugars and fats to break down so the body can then process or eliminate them.

6. If enzymes enter your blood in an active stage, won't they digest my cells too?

This is a common question among physicians who don't understand the body's physiological processes or who are against any supplement. Your own body's cells contain enzymes that destroy other enzymes. We call these enzymes "enzyme inhibitors". Every living tissue contains these enzyme inhibitors (except skin cells). This is why your body does not digest itself. A red or white blood cell will not be

affected by live digestive enzymes working in your blood, only residues of things that should not be in your body will be affected by the enzymes.

7. Then will TerraZyme break down arterial plaque?

Yes. There is a very well written book containing many clinical studies on this very topic. The book is called Enzymes, The Foundation of Life by Dr's Williams, Meickle and Lopez. Over several years they performed clinical studies on arterial thrombosis, diabetic arterial blockage, and hematomas (bruises), all of which showed great improvement when one consumed large doses of enzymes.

8. Can anyone take enzymes?

Yes, from infants to senior citizens, if you eat cooked food you should be taking enzymes.

9. Are there any drug contraindications?

If your doctor has told you to avoid raw food while on your medication, maybe you should avoid taking an enzyme supplement. So far there are no prescription drugs that have ever shown to work adversely with the enzymes found in TerraZyme.

10. Is there a particular type of person who would benefit most from taking TerraZyme?

If you are overweight or under weight, suffer from diabetes, hypoglycemia, high cholesterol, high triglycerides, heart disease, crone's disease, heartburn, constipation, acid reflux, chronic fatigue, high blood pressure, Candida or fungal infections, gout, kidney stones, or inflammation of any kind, you are a perfect candidate for enzyme supplementation