G129 Enzyme

Presented by
Dream Tree Family
Enzymes... the Beginning of Health

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Enzymes in Everyday Life

- **Enzymes** are one of the most essential elements in our body. Without enzymes we wouldn't be able to breathe, swallow, drink, eat, or digest our food.
- **Enzymes** are proteins catalysts that speed up or “catalyze” chemical reactions.
- Every living cell makes enzymes for its own activities.
- **Enzymes** are necessary for:
  - Digesting food, stimulating the brain.
  - Providing cellular energy.
  - Repairing all tissues, organs, and cells.
Enzymes are important in determining how our food will be utilized, either as a nutrient or waste.

Enzymes play a role in:
- Controlling chemical pathways.
- Making materials that cells need.
- Releasing energy.

Enzymes can be affected by variables such as:
- pH
- Temperature and
- Ionic strength (concentration of ions)
Understanding Enzymes

Enzymes are protein molecules responsible for biocatalyst.

- Enzymes are proteins that control the speed of chemical reactions within our body. Without enzymes, these reactions would take place too slowly to keep us alive.
- Some enzymes, like the ones in our stomach, break down large molecules into smaller ones.
- Others, like the enzymes that make DNA, use small molecules to build up large complex ones.
- Enzymes also help cells to communicate with each other, keeping cell growth, life and death under control.

We will look at three types of enzymes:

- Metabolic enzymes,
- Digestive enzymes, and
- Food enzymes.
Table 1: Metabolic Enzyme

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.

- Metabolic enzymes:
  - Help turn phosphorus into bone
  - Attach iron to our red blood cells
  - Heal wounds
  - Helps us to think, and
  - Enables our heart to beat

![Muscular System](image1)

![Blood Cells](image2)

![Heart](image3)
Enzymes initiate the essential chemical reactions our bodies need to live.

- Digestive enzymes are found in the mouth, stomach, pancreas, liver, and the intestine their job is to break down any food we eat into usable components.
- Enzymes are proteins that control the speed of chemical reactions in your body. Without enzymes, these reactions would take place too slowly to keep you alive.
- Enzymes, like the ones in your stomach, break down large molecules into smaller ones.
- Enzymes that make DNA, use small molecules to build up large complex ones.
- Enzymes also help cells to communicate with each other thus keeping cell growth alive.

<table>
<thead>
<tr>
<th>Table 2: Digestive Enzyme</th>
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</thead>
<tbody>
<tr>
<td><strong>Human Digestive Systems</strong></td>
</tr>
<tr>
<td>- Mouth</td>
</tr>
<tr>
<td>- Throat</td>
</tr>
<tr>
<td>- Esophagus</td>
</tr>
<tr>
<td>- Stomach</td>
</tr>
<tr>
<td>- Pancreas</td>
</tr>
<tr>
<td>- Intestine</td>
</tr>
<tr>
<td>- Liver</td>
</tr>
<tr>
<td>- Gallbladder</td>
</tr>
<tr>
<td>- Colon/Anus</td>
</tr>
</tbody>
</table>
Table 3: Food Enzymes

Enzymes are required for our bodies to absorb the nutrients found in each of the food groups.

<table>
<thead>
<tr>
<th>Food Group</th>
<th>Enzyme Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fat</td>
<td>Lipase</td>
</tr>
<tr>
<td>Carbohydrates</td>
<td>Amylase</td>
</tr>
<tr>
<td>Fiber</td>
<td>Cellulase</td>
</tr>
<tr>
<td>Protein</td>
<td>Protease</td>
</tr>
<tr>
<td>Dairy</td>
<td>Lactase</td>
</tr>
<tr>
<td>Sugar</td>
<td>Maltase</td>
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</tbody>
</table>

Digesting fat from all sources requires the enzyme Lipase.
Why Highlight the Importance of Enzymes

Our digestive system doesn’t absorb food, it absorbs nutrients.

Digestive enzymes break down our food into nutrients so that our bodies can absorb them.

- There are three major nutrients: Carbohydrates, Proteins, Lipids
- Minor nutrients: Minerals, Vitamins, Water
- All the chemical reactions that occur in the body of the **Coenzyme + Enzyme + Cofactor** are associated with functions. An important function of coenzymes is that they transfer electrons, atoms, or molecules from one enzyme to another.

What happens in the body when enzymes are reduced?
- Intake of vitamins and minerals are meaningless.
- Treatment of disease is difficult.
- Energy is reduced and the skin becomes rough.
- Digestibility and nutritional becomes imbalances and weakened.
- Leads to abdominal distension and constipation.
Aging Rapidly Reduces Enzymes in the Body

Enzymes naturally decrease with age.

Aging causes our internal enzyme production to significantly decline. The enzymes we need to maintain healthy joints, a strong immune system, and good circulation are declining as we age.

Reduced enzyme levels make us subject to enzyme deficiencies. This can lead to a wide variety of health problems, including unhealthy amounts of fibrin accumulating in our joints, our blood and veins and throughout our system.
Enzyme Deficiency

Lack of enzymes in the body are caused by...

- Aging
- Unhealthy Foods & Bad Eating Habits
  - Over consumption of cooked foods that are processed, refined, and heated are virtually “Dead” and have no existing enzymes.
- Air Pollution
  - Water Pollution
  - Soil Pollution
- Stress
- Excessive Physical Labor
- Misuse of Drugs

Enzymes decrease as we grow older.
Are absolutely essential for optimum health

Enzyme supplements provided support for more digestion and nutrient absorption.

Major Digestive Enzymes

- **UCRASE**
  - sugars in most foods.

- **PHYTASE**
  - vital nutrients of B-Complex

- **PROTEASE**
  - proteins

- **AMYLASE**
  - carbohydrates

- **LACTASE**
  - milk sugar

- **LIPASE**
  - fats

- **MALTASE**
  - complex sugar

- **CELLULASE**
  - fiber

All eight of these enzymes perform a very specific function within the digestive system. Each one is unique and very important.
In conclusion we know…

Enzymes are vital because they:

- Enhance Mental Capacity
- Enhances Sleep
- Improves Aging Skin
- Cleanse the Colon
- Break Down Fats
- Normalize cell function
- Helps Shed Excess Weight
- Help digestion and absorption
- Strengthen the Immune System
- Purify blood
Now available at Dream Tree Family

**G129 Enzyme** ‘the spark of life’

**What are enzymes?**

Enzymes are the spark of life. They are the reason that cells, the building blocks of existence, are able to function. Enzymes control nearly every chemical process that takes place inside of us, and every other living thing on the planet.

**Do we need more enzymes?**

The short answer is YES. Though the human body produces some enzymes naturally and we can absorb more from eating raw foods, processed foods have no enzymes, and cooking food above 118°F kills enzymes! This can make it hard for the body to digest and absorb the nutrients available in our food. **We starve our bodies of maximum enzyme capacity** because most of the foods we enjoy are refined in some way or cooked. And if that isn’t enough, pollution takes a toll on the naturally occurring enzymes that our bodies produce, while time hits us all by decreasing our enzyme function as we get older.

So what are we supposed to DO about it?
The answer is G129 Enzyme. From environmental to dietary causes of enzyme depletion, G129 Enzyme is all you need in one easy & affordable product.

**How does it work?**

G129 Enzyme supplies you with a blend of foundational and potent digestive enzymes that act to digest and breakdown the foods we eat as well as minimizing the daily stresses on our bodies. Every powerful packet of G129 Enzyme assists in the process of essential nutrient absorption by turning what we eat into energy our bodies can use. Our proprietary blend of enzymes help to detoxify your system, break down fats, cleanse your body, maintain energy levels, and boost your immune system, so that your body can perform at its very best.

And remember, G129 Enzyme performs at its best when you work a little bit as well—so be healthy, enjoy life, make time to get the rest that you need, get active, and eat well!

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent disease.
Thank you

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