



DEVELOPING NUTRACEUTICALS CAPABLE OF REPLACING PHARMACEUTICALS



Target
Specific



Innovative
Solutions



Pharma-Grade
Testing Standards



ENZYMAX RANGE




The only digestive products with
capsule in capsule dual release system.



Pork-Free
Product

AVAILABLE COMPETITORS

Existing solutions on the market have two main limitations:

Limited Target	Minimal Enzymatic Variety	Animal Origin
 <p>Either stomach or intestine</p>	 <p>Tendency to focus on lipase</p>	 <p>Most of the actual products get their enzymes from pork pancreas</p>

The pH variance

The different acidity levels makes it difficult for most existing solutions to be effective in both mediums.



Acid medium
(Stomach)



Neutral medium
(Intestine)

Diet Variety

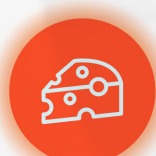
People regularly consume meals with varied food types. Competitors tend to focus mainly on **digesting fat (lipase)**.



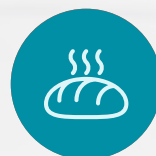
Proteins



Vegetables



Fats



Carbs



Legumes

ENZYMAX RANGE

1. Dual Release

The capsule inside capsule release technology allows the delivery of the right enzymes to the right medium.

2. Fastest action on the market

Since the enzymes start acting from the stomach, the effect is much quicker - felt in 20 minutes.

3. Complete formulation

Enzymax contains one of the widest ranges of enzymes available on the market (8 enzymes).

4. Highest Activity

Enzymax contains one of the highest activity of enzymes available on the market.

5. Far More Effective

Enzymatic variety and targeted delivery give Enzymax a synergetic advantage both as a prophylactic and as a treatment.



External Capsule

Dissolves rapidly within the stomach. Stomach enzymes start digesting. The internal capsule remains intact.

Internal Capsule

Resists the acidity of the stomach (gastro-resistant). Dissolves in the intestine. Intestine enzymes start digesting.



Amylase

Lipase

Protease 4.5

ENZYMAX

Glucoamylase

Protease 6.0

Alpha-Galactosidase

Neutral Protease

Protease 3.0



Enzymes from microbial origin

PROPRIETARY EVIDENCE

In a proprietary clinical trial conducted by **AINIA** and the **University of Valencia (UPV)**, Enzymax was tested against **CREON 10,000** comparing the digestion of the three main food types:

Carbohydrates



Lipids



Proteins



ainia
centro tecnológico



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA



Faster Digestion

Enzymax digests three to five times faster, depending on the food category.



More Effective

Enzymax is considerably more effective at digesting both Lipids and Carbohydrates.



More Consistent

Enzymax is significantly more consistent than Creon 10,000 (less deviation in enzymatic activity).

CLINICAL EVIDENCE

In a proprietary clinical trial, conducted in association with the Cuban Cystic Fibrosis Commission, Enzymax was tested as Pancreatic Enzyme Replacement Therapy (PERT), compared to CREON 25,000.

- Read more in the Journal of Cystic Fibrosis publication



Patients with cystic fibrosis currently undergoing PERT treatment, during 180 days



Digestive and Fatigue Symptoms measured by medically-renowned and validated questionnaires - PAC-SYM, PAGI-SYM and FAS

Results

Results indicate Enzymax could be safer and less burdensome alternative to the current porcine-derived PERT (Creon 25,000)

Compared to Creon 25,000, there was a statistically significant reduction in:



Abdominal symptoms



Regurgitation



Gastroesophageal discomfort



Post-prandial fullness



Upper and lower abdominal pain



Mental and physical fatigue

Patients had a >79% reduction in necessary daily enzyme units intake (expressed in FIP).

Overall reduction of the number of daily pill intake by 3x.

PROPRIETARY EVIDENCE II

The capacity of Enzymax to diminish the size of particles of a selected diet after oral and gastric digestion.



In vitro gastric digestion with and without Enzymax



The size of the particles was measured by optical microscopy



CSIC-CIAL, Spain, 2021



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

CIAL
INSTITUTO DE INVESTIGACIÓN EN CIENCIAS DE LA ALIMENTACIÓN



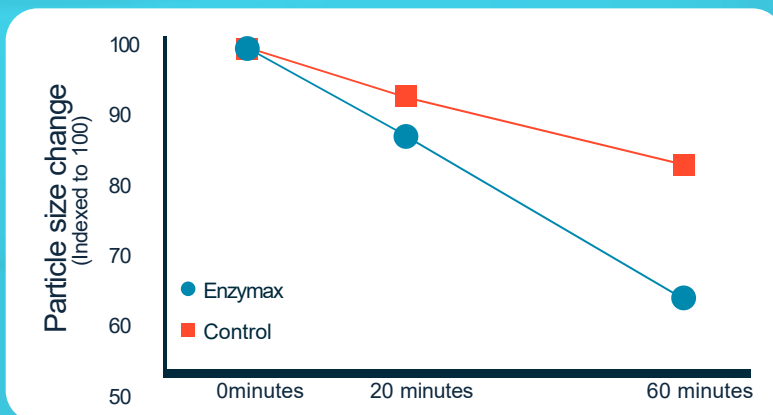
Universidad Autónoma de Madrid

Results

Gastric digestion with Enzymax was shown to be more effective in reducing the size of the particles in the stomach

1. Double the reduction in size on particles of larger size (>2mm) compared to gastric digestion without Enzymax

With Enzymax, particle size was reduced by 41% (in 60 minutes, for particles >2mm), while in the control group particle size was only reduced by 21% (in 60 minutes, for particles >2mm).



2. Reduction in the overall proportion of larger particles

Gastric digestion with Enzymax had a reduction of particles >10µm which is 62% more than without any treatment.

ONGOING AND PIPELINE STUDIES

Due to the impressive results obtained in the previous clinical study, it was decided to conduct additional studies with the same focus.

Studies

- A large-scale study in Sweden with [Uppsala University](#) (Starting Q1 2023).

ENZYMAX IS PRESENT IN 20+ COUNTRIES

SOME OF OUR PARTNERS LOCAL PHARMACEUTICAL MARKET LEADERS

In market

Spimaco - KSA
Farmak - Ukraine
Goodwill - Serbia
Farmalac - Morocco
INTI - Bolivia

In-license

UNILAB - Philippines
Difare - Ecuador

MADRID, BARCELONA, MILAN, FRANKFURT

At the heart of Pharma

AORA HEALTH, EXIBITORS IN CPHI SINCE 2018

A global community advancing human health

ENZYMAX FORTE ENDORSED BY THE CYSTIC FIBROSIS MEDICAL COMMUNITY

VIII National Conference of
Cystic Fibrosis, Spain. 2022



46th Cystic Fibrosis European
Conference, Austria. 2023



IN NOVEMBER WE WILL ATTEND....

The 2023 North American
Cystic Fibrosis Conference

November 2 - 4
Phoenix, Arizona

aora





ENZYMAX FORTE:

Numerous applications

Enzymax Forte can be used for the treatment of various conditions related to the stomach and the digestive process.

Format

20 Capsules

Dual capsule release system

Other Clinical Studies:

The Role of Enzyme Supplementation in Digestive Disorders.

Use of microbe-derived lipase has shown promise with studies indicating benefit similar to pancreatic enzymes, but at a lower dosage concentration and with a broader pH range

[READ MORE](#)

Digestive Enzyme Supplementation in Gastrointestinal Diseases.

Plant-based and microbe-derived enzymes (as Enzymax is), are a promising alternative in digestion over pork based enzymes.

[READ MORE](#)

Indications

- Chronic Pancreatic Secretion Problems (EPI)
- Cystic Fibrosis
- After gallbladder removal
- Crohn's Disease symptoms
- Digestive Surgery



The External Capsule

The enzymatic combination released in the stomach.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 3.0



The Internal Capsule

The enzymatic combination released in the intestine.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 6.0
Neutral Protease
Alpha-Galactosidase

The main digestive benefit:

Carbohydrates
Fats
Vegetables
Legumes
Proteins
Gas Reduction



NUEVO ENZYMAX LIPOFOOD:

Improved formulation - the same dual capsule release system.

Enzymax Lipofood is registered as a **Food for Special Medical Purposes**

Food for Special Medical Purposes (FSMP), also known as a Medical Nutritional Therapy, is a **regulatory status between a Dietary Supplement and a Medication.**

FSMPs are used for patients who are undernourished or with or with **certain medical conditions/disorders** under the supervision of a physician.

FSMPs are usually reimbursed by health authorities or private health insurances.

Formato

20 capsules

Dual release system

Indications

- **Patients with exocrine pancreatic insufficiency due to cystic fibrosis or other chronic complications**
- **Enteral/feeding nutrition**
- **Shwachman-Diamond Syndrome**
- **Other severe chronic digestive disorders**



The External Capsule

The enzymatic combination released in the stomach.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 3.0



The Internal Capsule

The enzymatic combination released in the intestine.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 6.0
Neutral Protease
Alpha-Galactosidase
Vitamins A, D, E, K1

The main digestive benefit:

Carbohydrates
Fats
Vegetables
Legumes
Proteins
Gas Reduction



ENZYMAX DUAL RELEASE:

Numerous applications

Enzymax DualRelease can be used for the treatment of various conditions related to the stomach and the digestive process

Format

10 Capsules

Dual capsule release system

Other Clinical Studies:

The Role of Enzyme Supplementation in Digestive Disorders.

Use of microbe-derived lipase has shown promise with studies indicating benefit similar to pancreatic enzymes, but at a lower dosage concentration and with a broader pH range

[READ MORE](#)

Digestive Enzyme Supplementation in Gastrointestinal Diseases.

Plant-based and microbe-derived enzymes (as Enzymax is), are a promising alternative in digestion over pork based enzymes.

[READ MORE](#)

Indications

- Indigestion or functional dyspepsia
- Postprandial discomfort
- Conditions associated with pancreatic exocrine insufficiency
- Diabetic patients with gastrointestinal dysfunction



The External Capsule

The enzymatic combination released in the stomach.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 3.0



The Internal Capsule

The enzymatic combination released in the intestine.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 6.0
Neutral Protease
Alpha-Galactosidase

The main digestive benefit:

Carbohydrates
Fats
Vegetables
Legumes
Proteins
Gas Reduction



ENZYMAX DUO BIOTICS:

Numerous applications

Enzymax DuoBiotics can be used for the treatment of various conditions related to the stomach and the digestive process.

Format

20 Capsules

Dual capsule release system

Other Clinical Studies:

Efficacy of *Lactobacillus plantarum* in prevention of inflammatory bowel disease. Toxicology Reports.

[READ MORE](#)

Preventive effects of probiotic bacteria *Lactobacillus plantarum* and dietary fiber in chemically induced mammary carcinogenesis. [READ MORE](#)

Effect of *Lactobacillus plantarum* LP-Only on gut flora and colitis in interleukin-10 knockout mice. [READ MORE](#)

[READ MORE](#)

Use of *L. plantarum* during treatment with antibiotics helps preventing infections and speeds up the recovery of patients. [READ MORE](#)

L. plantarum provides effective symptom relief, particularly of abdominal pain and bloating in IBS patients. [READ MORE](#)

Dietary supplementation of *L. plantarum* significantly reduces diarrhoea raises globulin levels, suggesting a stimulation of the immune system. [READ MORE](#)

Indications

- Irritable Bowel Syndrome (IBS)
- Small intestine bacteria overgrowth (SIBO)
- As antibiotic adjuvant therapy
- Regulation of intestinal flora
- Against Diarrhoea (travel, antibiotic related, etc.)



The External Capsule

The enzymatic combination released in the stomach.

Amylase
Lipase
Protease 4.5
Glucoamylase
Protease 3.0



The Internal Capsule

The synbiotic released in the intestine.

Synbiotic:
 - **Lactobacillus plantarum**
 - **Prebiotic fiber (sinulim)**

The main digestive benefit:

Carbohydrates
Fats
Vegetables
Legumes
Proteins
Gas Reduction



ENZYMAX ANTIGAS:

Numerous applications

Enzymax AntiGas can be used for the treatment of various conditions related to the stomach and the digestive process.

Ingredients

Lipase
Amylase
Glucoamylase
Protease 3.0
Protease 4.5
Alpha galactosidase

Format

20 Capsules
Dual capsule release system

Indications

- Gas overproduction and flatulence
- Prevent gas produced by grains, vegetables and beans
- Burning, epigastric pain, fullness, bloating, nausea and belching



ENZYMAX STICKS:

Numerous applications

Enzymax Sticks come in a convenient stick form, for easier swallowing. Enzymax Sticks can be used to treat digestive symptoms such as fullness and belching.

Ingredients

Lipase
Amylase
Glucoamylase
Protease 3.0
Protease 4.5
Good tasting Banana flavour

Format

20 or 50 sticks

Properties

- **Easy dosage (sticks)**
- **With fast action, favours digestion and absorption of proteins, fats and carbohydrates starting from the stomach**
- **Microbial Enzymes**



ENZYMAX SINGLE:

Numerous applications

Enzymax Reflux uses digestive enzymes and specialized herbal extracts that aid in the fast relief of heartburn symptoms while protecting the digestive system and speeding up digestion.

Ingredients

Lipase
Amylase
Glucoamylase
Protease 4.5
Protease 6.0
Neutral Protease
Alpha-Galactosidase

Format

30 Capsules

Indications

- Pancreatic problems
- Crohn's Disease Symptoms

IMPROVED FORMULATION



ENZYMAX FIRST STRIKE:

Numerous applications

- + Easier digestion, including gluten and lactose.
- + improves nutrient adsorption.
- + Blocks lectin side effects.
- + Counteracts esophageal burn.

Ingredients:

Lipase.	Alpha-Galactosidase.	Glycine.
Amylase.	Lactase.	Calcium.
Glucoamylase.	Ginger.	
Protease 3.0.	N-acetyl L-Glucosamine.	
Protease 4.5.	Artichoke.	

Format

30 Capsules (stomach release).

Indications

- Postprandial discomfort
- Epigastric fullness
- Delayed gastric emptying
- Lactose intolerance
- Lectin intolerance



ENZYMAX DIGEGLUTEN:

Numerous applications

Enzymax Dige gluten can be used for the treatment of gluten intolerance and coeliac disease related symptoms.

Ingredients

Lipase
Amylase
Glucoamylase
Protease 3.0
Protease 4.5
Prolyl oligopeptidase
Calcium

Format

30 Capsules

Indications

- Digestive problems caused by accidentally gluten intake in coeliac people.
- Non-coeliac gluten intolerance



ENZYMAX REFLUX:

Numerous applications

Enzymax Reflux uses digestive enzymes and specialised herbal extracts that aid in the fast relief of heartburn symptoms while protecting the digestive system.

Ingredients

Opuntia ficus
Olea europaea
Digestive enzymes
L-glycine
Sodium alginate
Sodium carbonate
Calcium carbonate

Format

30 Capsules

Indications

- Gastroesophageal reflux (GERD)
- Non-erosive reflux disease (NERD)
- Refractory antacid therapy
- Nocturnal acid breakthrough