

PRODUCT GUIDE

Gastro-AD®

Lallemand Health Ingredients

GASTRO-AD® - FERMENTED SOY

Gastro-AD® is a food supplement based on non-GMO soy, fermented by *Lactobacillus delbrueckii* subsp. *delbrueckii* Rosell-187, a strain selected by Institut Rosell

- *L. delbrueckii* Rosell-187, a strain selected and isolated by Dr Bogdanov in the '50s
- Soy, widely known for its health benefits and chosen for its nutritional qualities
- Gastro-AD® has been tested in 600 people
- Gastro-AD® contains natural elements of soybean, molecules resulting from fermentation (peptides, microbial metabolites etc.) and *L. delbrueckii* Rosell-187
- Gastro-AD® is entirely of biological origin, without any alkalizing, local anesthetic and/or spasmolytic agents

Did
YOU
KNOW?

The prevalence of heartburn is **10-20% worldwide**, and **higher in westernized countries**.

16% of **Canadians** experience heartburn regularly.

42% of **Americans** have experienced heartburn at least once.

The number of **Norwegians** experiencing at least one acid reflux attack per week has risen from 11.6% to 17.1% in just over a decade.

Did
YOU
KNOW?

As a good source of complete protein, soy is an **alternative to animal based proteins**.

Soy is **cholesterol-free, gluten-free and lactose-free**. Health benefits of fermented soy products, such as tempeh, natto, miso etc., include: relief of heartburn and stomach discomfort, cholesterol-lowering and anti-allergenic effects, and reduction of menopausal symptoms.

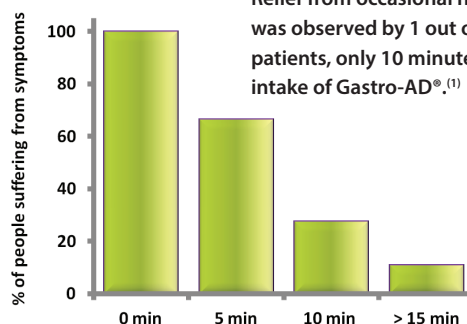
Gastro-AD® contains **Identity Preserved (IP) Non-GMO soy**.

Restored well-being! ^{(2),(3),(4),(5)}

Reduction of heartburn	86 % of patients
Appetite regained	83 % of patients
Lessening of vomiting	60 % of patients
Reduction of gastric discomfort	58 % of patients

Gastro-AD® provides relief from major heartburn symptoms by neutralizing gastric acidity.⁽⁶⁾

Quick relief!



Relief from occasional heartburn was observed by 1 out of 2 patients, only 10 minutes after intake of Gastro-AD®.⁽¹⁾

GLUTEN FREE

LALLEMAND BIO-INGREDIENTS

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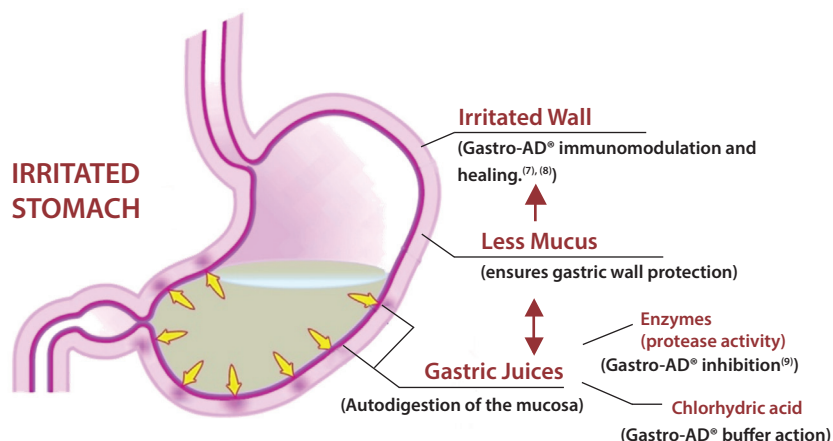
Gastro-AD®

Lallemand **Health Ingredients**

GASTRO-AD®- MECHANISM OF ACTION

- **Bioactive Compounds**
(Released anti-nutritional factors)
- ***L. delbrueckii* Rosell-187**
- Soy proteins, peptides, amino acids, microbial metabolites...

Gastro-AD®



RECOMMENDED USAGE

Gastro-AD® is available in the form of powder or tablets

Recommended intake when occasional heartburn occurs:

Powder: 1g, 2-6 times per day, or as needed to control symptoms

When heartburn occurs frequently (more than twice a week) and is accompanied by other symptoms, it is recommended to consult a doctor.

LALLEMAND'S COMMITMENTS

- ▶ Lallemand is a specialist in yeast and bacteria, and has years of experience in specialty fermentation
- ▶ Lallemand ensures the quality, safety and efficacy of its products
- ▶ **Gastro-AD®** is controlled at all stages of production (non-GMO certification, *Lactobacillus delbrueckii* Rosell-187 strain selection, fermentation monitoring and quality control of the **Gastro-AD®** powder)
- ▶ Lallemand has perfected a manufacturing process which allows to assure perfect mastery from the primary ingredients right to the phyto-fermented product

References

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8. Easo JG, Measham JD, Munroe J, Green-Johnson JIM. Immunostimulatory actions of Lactobacilli: Mitogenic induction of antibody production and spleen cell proliferation by *Lactobacillus delbrueckii* ssp. *bulgaricus* and *Lactobacillus acidophilus*. *Food and Agricultural Immunology* 14:73-83. (2002)
9. Lallemand Internal report

Did YOU KNOW?

Normally, our stomach lining is protected from the effects of **gastric juices (HCL & Proteolytic enzymes)** by the mucosal barrier.

Certain factors can alter the mucosal barrier: certain food (spicy, greasy and fried foods, citrus fruits, etc), hypersecretion of HCL, stress, alcohol, tobacco, *H. pylori*, etc.

The **stomach acid and proteinases are indiscriminate in their activity** and can degrade the stomach lining when the mucosal barrier is altered.

Heartburn: Burning sensation in the lower part of the chest, acid or bitter taste in the throat or mouth.

GERD (Gastroesophageal Reflux Disease) : The acidified liquid contents of the stomach back up into the esophagus. Symptoms are heartburn, regurgitation and nausea. GERD may damage the lining of the esophagus, and cause inflammation.

Gastritis – Inflammation of the stomach mucosa.

Gastroduodenal ulcer – Small sore on the mucosa of the stomach or duodenum, caused by a very strong acid attack and/or an infection by a pathogenic bacteria *H. pylori*.

Non-GMO
Gluten-free
Vegan
Dairy-free
Kosher
Halal