

UNIQUE BLEND TO SUPPORT HEALTHY MUCOSAE AND COUNTERACT GASTROESOPHAGEAL REFLUX DISEASE

MUCOSAVE™ FG is a blend of two herbal extract containing polysaccharides of prickly pear cladodes (*Opuntia ficus indica* (L.)) and biophenols of olive leaves (*Olea europaea* (L.)).

MUCOSAVE™ FG is a unique combination specifically created for mucosal treatment and to counteract the main symptoms caused by gastric disorders.

COMPOSITION	MUCOSAVE FG™ % (W/W)
<i>Opuntia ficus indica</i> extract	32 - 35
<i>Olea europaea</i> leaf extract	23 - 25

SUGGESTED DOSAGE: 400MG/DAY



Opuntia ficus-Indica

Olea europaea leaves

Opuntia ficus-indica is the most widespread cactus into the Mediterranean lands. To survive in a dry climate, the plant uses its "leaves" (cladodes) to save water. Under the prickly surface, cladodes contain a juicy, soft gel filled very rich in **antioxidant compounds**. The *Opuntia ficus-indica* cladodes, **polysaccharide-containing**, are used in folk medicine for their wound-healing activities and are widely employed for the treatment of mucous membrane irritation.

Gastroesophageal Disease (GERD) is a common ailment which is growing in incidence on a global level. Common symptoms include heartburn, regurgitation and nausea. There is a need for effective natural treatments without harmful side effects to address this burgeoning problem. Mucosave is the innovative and natural ingredients to improve the GUT HEALTH.

Olea europaea, is a species of tree in the family Oleaceae, found in the Mediterranean Basin. The first known record of olive leaf comes from Ancient Egypt. It has since been used extensively in traditional medicine and is still popular across many cultures today. **The phenolic compounds** present in olive leaves, are associated to antioxidant, and **lenitive activity**. The unique combination of biophenols in the olive leaf have many potential health benefits.

WHAT IT DOES

MUCOSAVE™ FG has a strong mucoadhesive ability thanks to the *Opuntia* polysaccharides and a lenitive effect from olive biophenols. Thanks to this combination, **MUCOSAVE™ FG** has the ability to protect sensitive mucosae and prevent mucosal alteration and disease.



COUNTERACT GASTROESOPHAGEAL REFLUX



IMPROVE DIGESTIVE FUNCTION

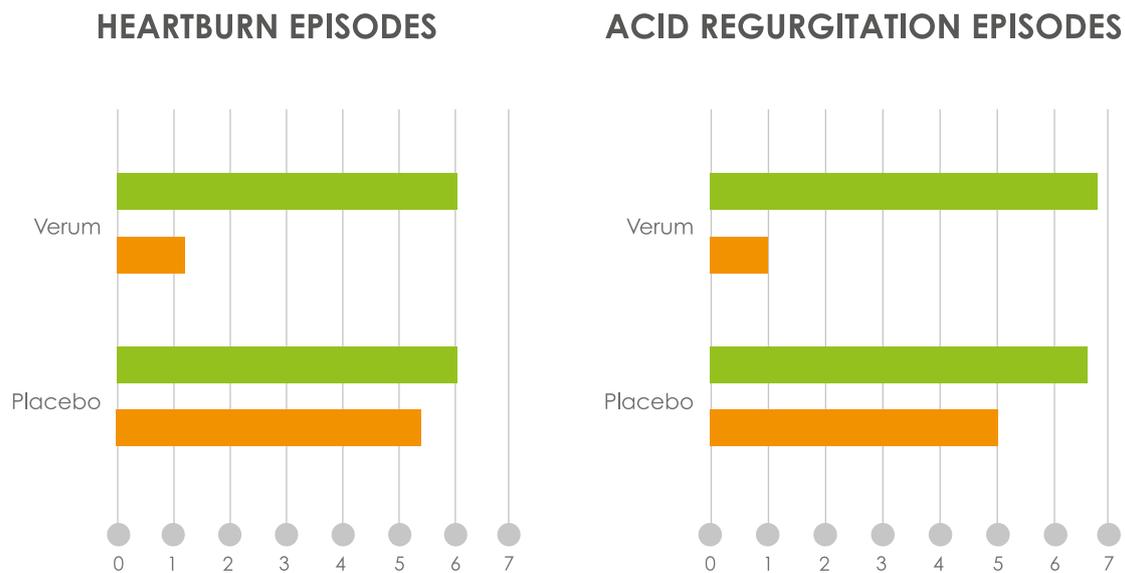


PROTECT GASTROINTESTINAL MUCOSAE

*Mechanism
of action*

Mucobioadhesive properties has been evaluated by a new in vitro model (mucous membrane cell lines), predicting in vivo conditions. In these studies, **MUCOSAVE™ FG** has showed a strong mucoadhesive activity (up to 60% of cell surface), higher than other bioadhesive polymers such as hyaluronic acid and alginate (30% and 5% respectively).

Heartburn and acid regurgitation episodes per week in subjects with GER **before** (green) and **after** (orange) 60 days treatment with **MUCOSAVE™ FG**/alginate/bicarbonato combination (verum) or maltodextrin (placebo).



70% OF REDUCTION OF THE EPISODE OF HEARTBURN AND ACID REGURGITATION*

*Gastro Esophageal Reflux Disease-Health Related Quality of Life (GERD-HRQoL) and Gastroesophageal Reflux Disease Symptom Assessment Scale (GSAS).

Inspired by Mediterranean

BIONAP
BIOACTIVE NATURAL PRODUCTS

led by science

Bionap is a family owned Italian nutraceutical company specialized in the production of standardized extracts.

Our mission is to discover active substances contained in Mediterranean food and plants and to create ingredients for well being and beauty products. Efficacy and safety of Bionap extracts are supported by continuous scientific research and clinical trials, published in scientific

international journals. The "environment friendly" approach has been used by Bionap since its foundation. All Bionap products originate from the idea of preserving natural resources and preventing waste production, following a concept of circular economy. Innovative and sustainable technologies make Bionap a serious and reliable partner.