

UNIQUE BLEND TO SUPPORT HEALTHY MUCOSAE AND IMPROVES DIGESTIVE FUNCTION

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



COMPOSITION

MUCOSAVE™FG % (W/W)

Total Polyphenols (as Luteolin 7-O-glucoside)

3.7 - 4.3

Total Polysaccharides (as glucose)

18 - 28

SUGGESTED DOSAGE: 400MG/DAY

MUCOSAVE™FG is an innovative and natural ingredient for digestive health: thanks to the soothing activity and gel-forming matrix property of *Opuntia* polysaccharides and a lenitive effect from olive biophenols has multi-benefit potential.

Benefits



**COUNTERACTS OCCASIONAL
GASTROESOPHAGEAL REFLUX**



SUPPORTING MUCOSAL HEALTH



**SUPPORTS OPTIMAL
DIGESTION**



PREBIOTIC ACTIVITY

The pruning of *Opuntia* cladodes and Olive leaves is a fruit-boosting yield practice; the cladodes and leaves are usually discarded since they are considered low-value biomass. However, they are revalued to be used as a valuable co-product source to squeeze the cladodes juice rich in polysaccharides and to extract the biophenols compounds from olive leaves.





Mechanism of action



● PROTECTS GASTROINTESTINAL MUCOSAE WITH STRONG MUCOADHESIVE PROPERTIES

It has been evaluated on mucous membrane cell line model predicting the in vivo conditions. It has shown a strong mucoadhesive activity (up to 60 of cell surface), higher than other mucoadhesive polymers such as hyaluronic acid and alginate (30% and 5% respectively).

● REDUCES GASTROINTESTINAL SYMPTOMS AND COUNTERACT GASTROESOPHAGEAL REFLUX

It starts to exert positive effects since the first days of intake. This trend is present in the following days with a maximum at the end of the first week. After only 4 weeks of supplementation, it is shown a 70% reduction of symptoms related to gastrointestinal discomfort. It significantly improved the gastrointestinal quality of life index (GIQLI) thanks to the reduction of symptoms

● PREBIOTIC ACTIVITY

It is a potential prebiotic with a bifidogenic activity comparable to that of inulin and stimulates the production of Short Chain fatty acid (SCFA)

Scientific findings

The activity of **MUCOSAVE™FG** has been evaluated in a **randomized, double-blind, placebo-controlled clinical trial** carried out:

- on **100 volunteers** with occasional gastrointestinal discomfort
- treated with **400 mg/day of MUCOSAVE™FG**
- for **8 weeks**
- **Assessment by valid and reliable questionnaires:** Gastrointestinal Quality of Life index (**GIQLI**) and GERD Symptom Assessment Scale (**GSAS**)

MUCOSAVE™FG supplementation showed a significant improvement of gastrointestinal quality of life together with a good lifestyle after only 4 weeks.

