POLYPHENOLS FROM PROPOLIS

Fytexia

Propolis M.E.D.®

Clinically proven propolis extract For Upper Respiratory Tract Infections

Propolis is a resinous, balsamic substance, that worker bees harvest from buds and exudates of specific plants. After adding waxy and salivary secretions, they use the propolis to protect the hive.

The bioactive composition of propolis is highly variable, depending on origins, climatic conditions, geographical area, plants, seasonality, and bee varieties, making standardization a challenge.



Propolis M.E.D.® is a patented process that allows to obtain a **standardized propolis** extract containing a **well-characterized polyphenolic complex**, with the same activity in every batch and available on several carriers:

Propolis M.E.D.® mother extract

ESIT® - Powder microencapsulated

GREIT® - Hydroglyceric extract

EPE® - Hydroalcoholic extract

POLE® - Oily extract

Propolis M.E.D.® has been extensively studied and is supported by clinically proven benefits in upper respiratory tract infections (URTIs).



The health properties of Propolis M.E.D.® have been demonstrated in several in vitro investigations.

Propolis M.E.D.® provides efficient anti-microbial activity against fungi, Gram+bacteria, and some Gram- microorganisms and shows very low MIC values.

Anti-inflammatory

Propolis M.E.D.® reduces production proinflammatory the cytokine TNF-through an epigenetic mechanism of action.

Antioxidant

vivo studies demonstrated that administration chronic of Propolis M.E.D.® can increase the endogenous antioxidant defenses.

Anti-viral

Propolis M.E.D.® can act against both DNA RNA viruses directly and indirectly through immuneenhancing action and immunomodulation.

Propolis M.E.D.® provides a holistic approach to protect the metabolism:



Avoid entrance of microorganisms



Modulate the immune system



Regulate the local and systemic anti-inflammatory response

Clinically proven benefits in URTIs

Randomized, double-blind, placebo-controlled study

122 subjects

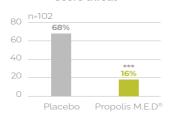
Age: 18-77 years old Inclusion with mild URTI symptoms 5 davs of supplementation



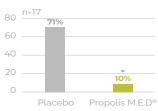
12-24 mg/day of polyphenols, 2-4 oral sprays 3 times daily

% of subjects positive to symptom (Day o to Day 3)

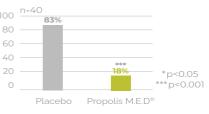
Hoarseness



Score throat

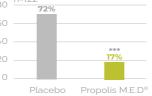


Swelling and redness





% of subjects with at least 1 symptom



After 3 days of treatment, 83% of the subjects treated with Propolis M.E.D.® in an oral spray had remission of symptoms, compared to 28% in the placebo group.

Resolution from mild uncomplicated URTIs took place 2 days earlier in the group treated with Propolis M.E.D.®.

References: Zaccaria et al. (2017) Zaccaria et al. (2019) Curti et al. (2019) Esposito et al. (2020)