



Profeed ADVANCED[®]

INNOVATION HELPS PETS STAY HEALTHY FOR LONGER

46%

of European households have pets, and, since the pandemic, owners have increased pet-health awareness and want new products with pet-health benefits¹.

Premium pet market

is increasingly demanding products that can reinforce natural defences and strengthen pets' immunity systems².

Interaction between gut microbiota and immune system: an essential body defence

The immune system is an animal's major defence system. It develops early in life, and identifies harmful stimuli, including micro-organisms. The gut microbiota plays a fundamental role in the training and functioning of the immune system.

As pets age, the gut microbiota changes and the efficacy of the immune response declines. These changes result in increased vulnerability to infectious diseases, reduced responses to vaccination and a susceptibility to age-related inflammatory diseases, a phenomenon called immunosenescence.



Profeed ADVANCED[®]: when prebiotic fibre meets the best of the yeast

Tereos has developed an innovative product³ that combines a short-chain fructo-oligosaccharides (scFOS) prebiotic with a specifically selected yeast-based postbiotic.

Profeed[®] is a prebiotic fibre well-known to positively affect gut microbiota composition and its activity. It is composed of scFOS obtained through bio-enzymatic transformation of sucrose, and produced to the highest EU quality standards.

The yeast based postbiotic⁴ is a preparation of specifically selected yeast fractions that confers a health benefit on pets through a unique mode of action.

¹ - Fediaf data at the end of 2021.

² - Innova market insights.

³ - An international patent application PCT/EP2022/064354 has been filed on May 25, 2022 claiming priority of EP 21 305 702.9 filed on May 2021.

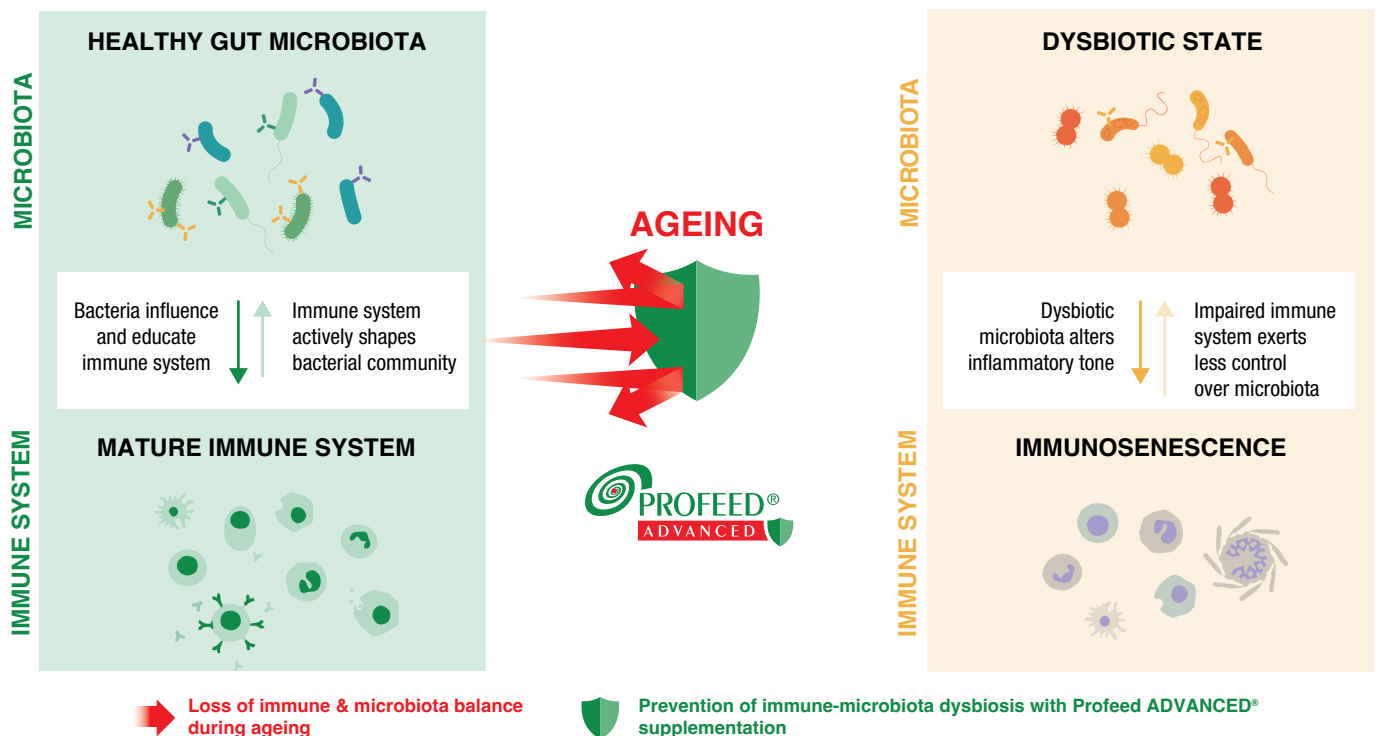
⁴ - Salminen, S., Collado, M.C., Endo, A. et al. The International Scientific Association of Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of postbiotics. Nat Rev Gastroenterol Hepatol 18, 649–667 (2021).

A synergistic effect to enhance the immune response

Profeed ADVANCED® new concept is the result of several years of R&D in collaboration with a global leader in yeast development and production. Specific strains have been selected and customized in order to obtain the best synergistic effect with scFOS, resulting in a unique solution. Thanks to the complementarity of mechanisms of action, Profeed ADVANCED® can achieve immune system stimulation. This unique synergistic effect is the subject of the patent.

Efficiency backed by clinical trials

A new clinical study⁵ on a population of senior dogs has demonstrated that Profeed ADVANCED® can restore dysbiotic gut microbiota, especially in increasing Bacteroidetes, Fusobacteria and Faecalibacterium prausnitzii, which are present in high abundance in healthy adult dogs and are commonly known to decrease with ageing. In parallel, Profeed ADVANCED® can mitigate immunosenescence biomarkers, mainly by improving CD4+/CD8+ T cell ratio, shown to decline in elderly populations leading to a poor response to immunisation and a major risk of severe infections.



Why choose Profeed ADVANCED®?

- Mitigation of microbiota dysbiosis**
- Stimulation of immune response**
- Protection against infections**



FOR WHO?

- Senior dogs
- Fragile immune systems/immune-depressed dogs

HOW?

- Adding Profeed ADVANCED® to formulation, in wet and dry products, or supplements on a daily basis



Profeed ADVANCED® is classified as complementary feed.



If you are interested in Profeed ADVANCED® or would like any additional information, please contact us at contact@tereos.com