

Safety

Studies carried out on dogs^{1,2,3,17,30}, man^{16,22} and rats¹⁶, have shown a total lack of acute or sub-acute toxic effects and of side-effects following administration of the probiotic strains present in Florentero®, even at high doses and for long periods of time.

Continuous administration of FOS and MOS does not alter plasma glucose, fructose and insulin¹⁶ levels but reduces intestinal production and subsequent faecal elimination of putrefactive derivatives like phenols, indols, cresol, thus reducing the need of detoxification of these substances by the liver^{16,26,28}.

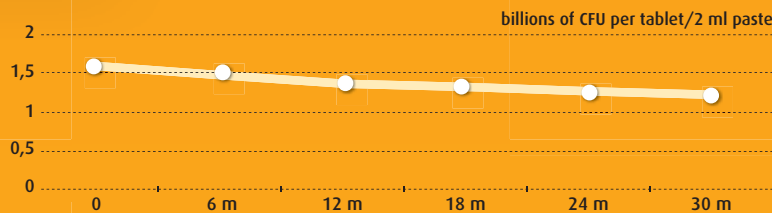
Technologically advanced

All four probiotic bacterial strains are micro-encapsulated through patented technologies or are present as naturally resistant spores.

Florentero® is thus resistant to environmental heat and humidity, to gastric acids and to biliary secretions.

Guaranteed level of live probiotics

The level of live probiotics in each tablet/2ml of Florentero®, is shown to be a minimum of 1 billion CFU, even 6 months after the end of its shelf life, in order to guarantee the complete efficacy of the product.



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Available at

Florentero.com



The most advanced nutraceutical to treat diarrhoeic intestinal disorders

Contains four strains of probiotics + two prebiotics providing a symbiotic action

Proven to be rapidly effective in suppressing pathogenic clostridial population

Enhances immune response

Proven to be safe in dogs and cats, as well as in rabbits (oral paste specifically formulated for use in rodents)



Candioli
PHARMA

Innovation and efficacy - The Symbiotic concept

Florentero® is the first symbiotic for pets (dogs, cats, rabbits and ferrets) available in the market.

The concept of symbiosis derives from the combined administration of prebiotics and probiotics^{12,16,26}. Survival, colonization and beneficial effects of exogenous probiotics can be enhanced and increased by the simultaneous administration of probiotics and prebiotics (that are utilized by the probiotics in the intestinal tract^{26,27,28}).

Prebiotic Action

FOS Fructo-oligosaccharides
MOS Manno-oligosaccharides

A Increases rooting and reproduction capacity of lactobacillus in the intestine

B Allows rapid activation of probiotic factors (within 2-4 hours after ingestion)

C Makes the intestinal environment unsuitable for pathogenic bacteria replication, thanks to its pH-lowering effect

Probiotic Action

Enterococcus faecium SF 68
Lactobacillus sporogenes Bacillus coagulans
Lactobacilus acidophilus
Bacillus clausii

A Exerts a synergistic effect among different microbial strains

B Allows the possibility to replicate in different environments and pathologic conditions

C Produces substances inhibiting development of pathogenic bacteria (lactic acid, bacteriocines)

Symbiotic Action
Prebiotics + Probiotics

A Favours the strengthening of probiotics vital capacities because the fermentable substrate needed for a rapid intestinal microbial colonization becomes immediately available, as a result of their combination

B Acts synergistically in controlling pathogenic bacterial proliferation²⁶

C Lowers intestinal pH caused by short-chain fatty acid production (lactic, propionic and butyric), while bacteriocin production inhibits pathogenic bacteria proliferation

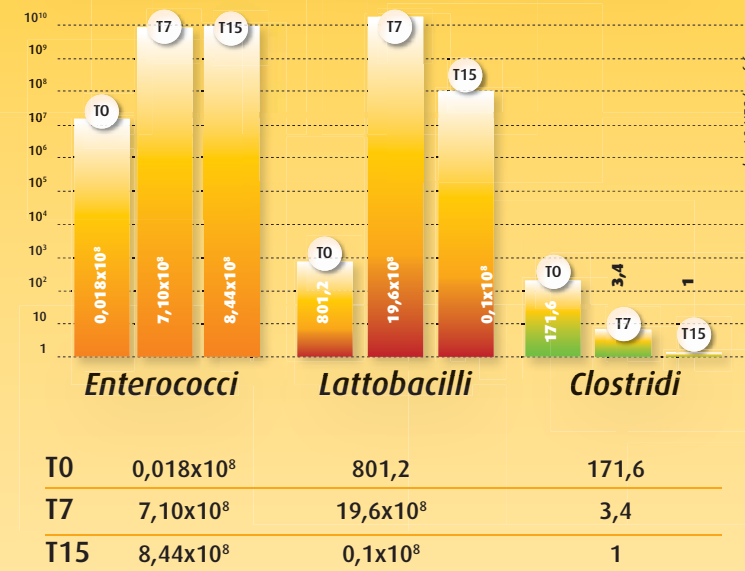
Studies on the efficacy of Florentero®

Florentero® improves Enterococcus spp. and Lactobacillus spp. intestinal colonization, both in healthy and sick dogs.

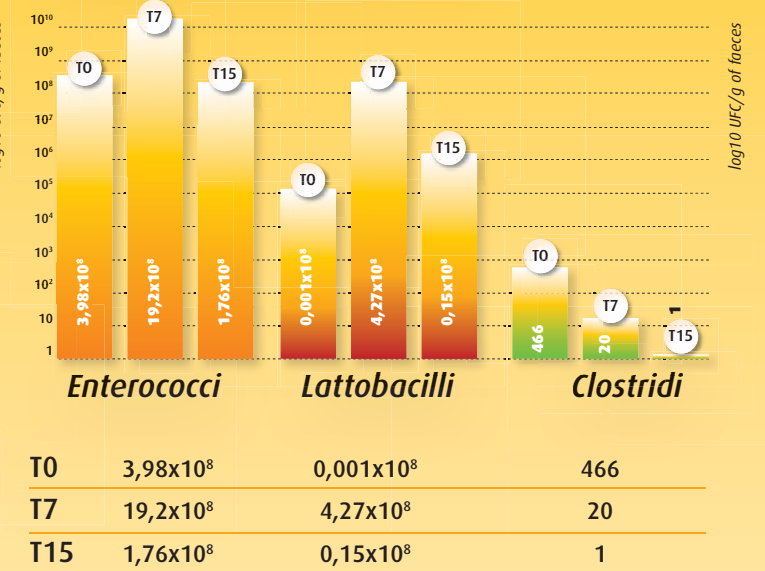
Florentero® significantly decreases the Clostridium spp. population in healthy and in particular in sick dogs.

Florentero® shows its efficacy even after stopping administration.

Pets affected by GI disorders - Average scores



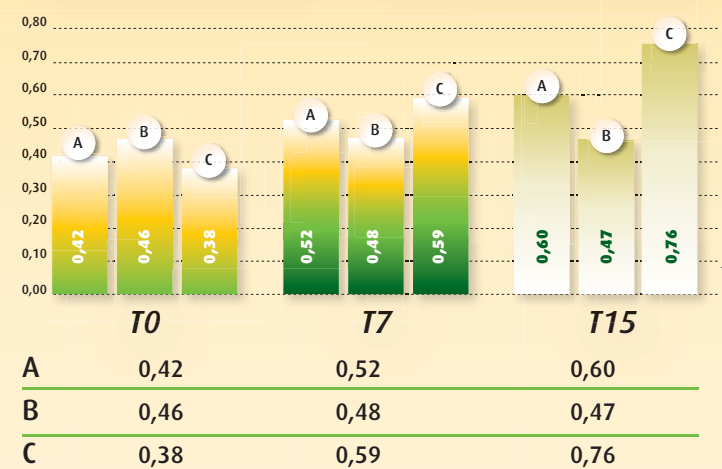
Healthy pets - Average scores



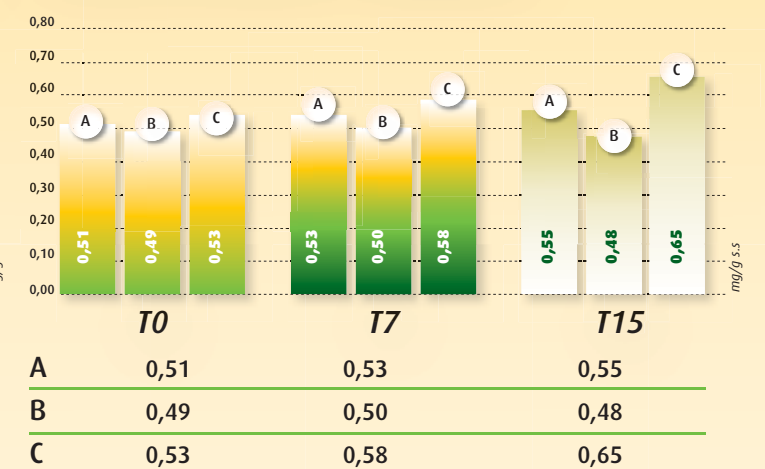
Florentero® induces a stronger local immune response

Florentero® enhances local immune response much more than probiotics or prebiotics alone, so improving the patient's overall health and strengthening its natural defenses against pathogens.

Fecal IgA concentration - Pets affected by GI disorders



Fecal IgA concentration - Healthy pets



Effect of administering Florentero® for 7days (C) compared with placebo (A: only Enterococcus faecium and Lactobacillus acidophilus; B: only prebiotics) on fecal IgA concentrations in sick and healthy dogs.

* Gramenzi A., Di Leonardo M., De Acetis L., Fusaro I., Bigliati M., Formigoni A. Effect of symbyotic nutritional supplementation on intestinal microflora of healthy and diarrhoeic dogs. Submitted for publication in September 2008 to Veterinary Microbiology