

FIDOSPORE™

PROBIOTIC FOR HEALTHY PETS

FidoSpore™ is the first pet probiotic supplement clinically shown to support digestive health and reduce leaky gut. FidoSpore™ contains a unique blend of *Bacillus subtilis* HU58, *Bacillus licheniformis* (SL-307), and *Pediococcus acidilactici* mixed with irresistible defatted, grass-fed beef liver for flavor and aroma. In fact, a recent study exploring gut dysbiosis in dogs found that FidoSpore™ dramatically reduced inflammation, diarrhea, and vomiting in as little as 30 days.²



FUR BABIES

Having a pet is not only good for the human psyche but also incredibly beneficial for the human gut microbiome. Studies show that dogs in particular can strengthen the human gut microbiome by going out into the environment, collecting microbes in their nose and fur, and bringing them back into your home. By doing this, they can help to diversify and strengthen your gut microbiome, but don't forget that your pets have their own gut microbiomes.

Did you know that your pet can get leaky gut too? Or that this could be the underlying cause of their recurring rashes, diarrhea, bad behavior or poor wound healing? If the lining of your pet's intestines begins to deteriorate, then this opens the door for unwanted toxins and pathogens to enter circulation, triggering immune responses such as inflammation and allergic reactions anywhere in the body.

DOSING

CATS & DOGS: Add 1 capsule to your pet's food once daily, regardless of weight. Capsule can be opened and sprinkled onto food or consumed whole.





WHAT CAUSES LEAKY GUT IN ANIMALS?

Cats and dogs, like humans, have sensitive GI tracts that are unfavorably affected by artificial food products, antibiotic overuse, gut infections, and glyphosate found in the air, water, and soil.^{1,2} As carnivores, cats and dogs are evolutionarily designed to eat meat, yet the main ingredients in most pet foods include wheat, corn, soy and low-quality animal byproducts. These foods, medications, and environmental toxins can irritate an animal's GI tract, causing damage to the protective lining of the gut.

Pets love to get into things they aren't supposed to, like garbage, roadkill, and animal droppings they find on the side walk. This puts them at risk of acquiring a GI infection, which can have negative long-term consequences on gut health. In fact, overgrowth of *Clostridium perfringens*, *Salmonella* species, and *Escherichia coli* are shown to cause inflammation and deteriorate the gut barrier, leading to leaky gut in dogs.³

WHAT'S INSIDE?

FidoSpore™ is the first pet probiotic supplement clinically proven to support digestive health and reduce leaky gut. *Bacillus subtilis* HU58 and *Bacillus licheniformis* (SL-307) are both spore-forming probiotics that produce digestive enzymes, strengthen the immune system, produce short-chain fatty acids, and maintain the gut barrier. *Pediococcus acidilactici* is lactic acid-producing bacterium that has a wide range of benefits in cats and dogs.⁴ It has been used to treat dogs with digestive symptoms like constipation and diarrhea, as well as dogs infected by parvovirus. *P. acidilactii* is also known to crowd out unwanted pathogens like *Shigella* species, *Salmonella* species, *Clostridium difficile*, and *E. coli*. FidoSpore™ also contains defatted grass-fed beef liver extract added for flavor and aroma.

Guaranteed Analysis per 1 Capsule (520 mg)

(All values are minimum unless otherwise noted.)

Moisture (max).....	6%
*De-fatted Grass-Fed Beef Liver Extract.....	180 mg
*Total Microorganisms.....	4 billion CFU
<i>(Bacillus subtilis</i> HU58™, <i>Bacillus licheniformis</i> (SL-307), <i>Pediococcus acidilactici</i> (PA5051™))	
*Not recognized as an essential nutrient by AAFCO Dog Food Nutrient Profiles.	

Calorie Content: Metabolizable Energy (ME) as fed: 3,250 kcal/kg (1.9 kcal per capsule)

Ingredients: De-fatted Grass-Fed Beef Liver Extract, *Pediococcus acidilactici*, *Bacillus licheniformis*, *Bacillus subtilis*, Hydroxypropyl methylcellulose (HPMC) Vegetarian Capsule, Microcrystalline Cellulose.

20%

20% REDUCTION
in LPS in healthy dogs

45%

45% REDUCTION
in LPS in dogs with
Dysbiosis

A recent study examined the effects of FidoSpore™ on the occurrence of dysbiosis and leaky gut in dogs.⁵ Researchers at the University of Agricultural Sciences and Veterinary Medicine in Romania administered a daily probiotic supplement containing the strains *Bacillus subtilis* and *Pediococcus acidilactici* to 11 dogs for a total of 30 days. Dogs were divided into two groups: healthy dogs with no GI distress and dogs with gut dysbiosis experiencing diarrhea and vomiting. Results indicated that in dogs with gut dysbiosis, GI symptoms were greatly reduced, or disappeared entirely. Total body inflammation and leaky gut markers were also dramatically reduced. In addition, probiotics did not produce adverse symptoms in healthy dogs and appeared to reduce flatulence.

Pet probiotics have remarkable abilities to improve digestive health, particularly in dogs. In contrast to antibiotics, probiotics work with the animal's immune system to improve overall function, rather than simply killing off pathogens and many beneficial microbes in the process. Research highlights that probiotics like FidoSpore™ are effective, safe, and more cost effective than many conventional treatments.

1. Hall EJ, Batt RM. Abnormal permeability precedes the development of a gluten sensitive enteropathy in Irish setter dogs. *Gut*. 1991;32(7):749-753. 2. Kilian E, Suchodolski JS, Hartmann K, Mueller RS, Wess G, Unterer S. Long-term effects of canine parvovirus infection in dogs. *PLoS One*. 2018;13(3):e0192198. 3. Schmitz S, Suchodolski J. Understanding the canine intestinal microbiota and its modification by pro-, pre- and synbiotics - what is the evidence? *Vet Med Sci*. 2016;2(2):71-94. 4. Herstad HK, Nesheim BB, L'Abée-Lund T, et al. Effects of a probiotic intervention in acute canine gastroenteritis - a controlled clinical trial. *J Small Anim Pract*. 2010;51(1):34-8. 5. Ștefănuț, CL. Evaluation of The Effect of a Probiotic Product With Sporulated Bacilli On Endotoxemia In Dogs With Intestinal Dysbiosis - Pilot Study. University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca. 2019.