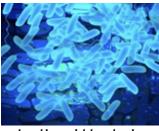


Saccharomyces Boulardi



Lactic acid bacteria



Lactic acid bacteria



Yeast culture



Kelp meal

# CENTURION K9 PROBOTICS

put the power of billions to work for you and your animals using multiple prebiotics and probiotics

Research under controlled conditions provides good evidence for the efficacy of Saccharomyces Boulardi including preservation of intestinal barrier integrity, improved intestinal morphology, reduced intestinal damage, stimulation of IgA production, improved inflammatory profile, reduced weight loss, and enhanced survival.

Dogs have a stable and rich gastrointestinal microbiota but microbiota disruptions can occur with rapid changes in diet, worming, use of antibiotics, transportation, stress, the onset of gastrointestinal disease, etc. Routine feeding the proper balance of lactic acid producing bacteria has been proven to help maintain an optimum gut microbiome.

Bacillus subtilis has been proven to inhibit many strains of pathogenic clostridal bacteria common to dogs. Clostridium species are associated with gastrointestinal distress. C. difficile is common, and one of the most important causes of diarrhea in dogs and puppies. These species produce toxins that breakdown the structural integrity of the mucosal barrier resulting in Leaky Gut.

Researching the effects of yeast culture supplementation nutritionists began measuring the effects of supplementation in various species. It became clear that yeast culture supplementation improved energy, protein, and mineral digestibility. Aside from its advantages in energy production, supplementation with yeast culture has resulted in an increase in protein and mineral absorption.

Kelp is a nutritional powerhouse packed with vitamins, minerals like iodine, and antioxidants. It may help prevent cancer, promote cardiovascular health, and even reduce fat absorption in the gut. According to the National Institute of Health, kelp is one of the best natural food sources of iodine, an essential component in thyroid hormone production.



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It might come as no surprise that your dirt loving canine best friend is covered in bacteria (a fact we choose to ignore when asking for slobbery kisses). But you may be shocked to learn that they share some of these microbes with you-particularly the ones in their gut. Or perhaps it's not surprising: Pet parents share things like food, furniture, and cuddles with their dogs, so it makes sense that it might extend to the types of bacteria that inhabit their intestines.

Having pets has a number of benefits for pet parents, including lower stress and better fitness levels. But researchers have also found that pets can have effects on other aspects of health. At least some of these effects appear to come down to changes in the microbiome. Our beloved companions seem to help our microbiomes become more diverse and keep us healthier. Some scientists think that our long-standing history with pets and livestock has interlaced our microbial health with theirs.

#### Humans share microbiomes with their environment and their pets.

Animal microbiomes are only part of the picture. Bacteria are not only in guts they also live in mouths and on skin. They inhabit soil, water, and plants everywhere in nature. Even your house has bacteria on light switches, door handles, and TV remotes.

Family members share a microbiome not only with one another but also their dogs. Dogs are more likely to have similar microbiomes to their owners than other people. People with dogs also have a higher likelihood of sharing microbes with their cohabitants than those without pets. This suggests that petting and hugging your dog might help you share your skin microbes with family members.

#### Sharing bacteria with our pets can make us healthier.

Having a pet certainly improves our lives in more ways than one. Pets help decrease feelings of loneliness and if exposed at a young age protect us from respiratory problems. Research has shown the benefits of having a dog. More research is needed to investigate the advantages of having a cat for the microbiome. Regardless, next time you want to give your pet some love, do it for the good of your bacteria and your children's too!

### FEEDING YOUR PETS CENTURION PROBIOTICS NOT ONLY HELPS INSURE OPTIMUM HEALTH FOR YOUR PETS BUT YOUR FAMILY ALSO. CENTURION PROBIOTICS INHIBIT PATHOGENIC BACTERIA AND PROTECT HUMAN AND ANIMAL HEALTH

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