



DIGEST FORTE™

Digestion and Immune Formula



K9 Power **Digest Forte™** supports your dog's digestive health with a blend of "biotic" ingredients - probiotics, prebiotics, synbiotics, and postbiotics. It supports the dog's optimal digestive balance with ingredients that offer antioxidant protection, immune support, and that aid in the management of the gut microbiota. Use to support healthy digestion and immune function, as well as in those instances where dogs experiences intestinal distress, loose stools, excessive flatulence, coprophagia (stool eating), and seasonal allergies.

- + Supports Healthy Digestion
- + Enhances the Immune Response
- + Helps Maintain a Healthy Intestinal Tract
- + Supports Healthy Immune System Function

Product Facts

Active Ingredients per 10 g scoop: 45 scoops per container. Scoop included.

Proprietary Blend.....	1,400 mg
(Ginger root powder, Pomegranate fruit powder, Citrus bioflavonoids, Mulberry fruit powder, Goji berry powder, Quercetin dihydrate powder, Resveratrol powder)	
L-glutamine	500 mg
Cod liver oil powder	400 mg
Salmon oil powder	400 mg
Icelandic kelp powder	400 mg
Epikor®.....	400 mg
ProbioSeb Duo™*	300 mg
<i>(Bacillus subtilis, Bacillus coagulans, Lactobacillus sporogenes)</i>	
L-arginine (as hydrochloride).....	100 mg
L-threonine.....	100 mg
Yeast beta-glucans	75 mg
Mannan oligosaccharides.....	75 mg
Inulin (chicory source)	30 mg

*20 billion CFU/g: contains *Bacillus subtilis* (8 billion CFU/g) and a mixture of *Bacillus coagulans* and *Lactobacillus sporogenes* (12 billion CFU/g).

Inactive Ingredients: Camelina meal, chicken powder, mixed tocopherols, pork liver powder, stabilized rice bran.



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DIGEST FORTE™ INGREDIENT PANEL

- In developing the next generation Digest Forte™ supplement, we start with our **Proprietary Blend of ginger root powder, pomegranate fruit powder, citrus bioflavonoids, mulberry fruit powder, goji berry powder, quercetin dihydrate powder, and resveratrol powder** since antioxidant protection of organ systems and immune support of the digestive system are critical to optimizing the health and functionality of the digestive tract. These are all natural antioxidant ingredients so they contain additional substances that enhance health and well-being of the dog including dietary fibers, phytonutrients, vitamins, and minerals. All of these substances act synergistically in the dog's body to support the digestive system and that portion (~75%) of the immune system associated with the digestive tract.
- The next ingredient in greatest concentration is **L-glutamine**, the most abundant amino acid in the blood and body fluids of the dog. It optimizes both small intestinal and large intestinal cellular growth and proliferative responses. It serves to modulate gut immunity. It is the main fuel source for the body's lymphocytes (white blood cells) that fight infection and disease.
- Inflammation is part and parcel of nearly all health-related issues experienced by the dog. Omega-3 fatty acids have been shown to be powerful anti-inflammatory ingredients and are today found in most dog foods, treats, and supplements. K9 Power uses two of the very best sources of omega-3's, **salmon oil powder** and **cod liver oil powder**. The primary omega-3 fatty acids found in these ingredients include eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). Research has linked these two fatty acids to a variety of health benefits as they suppress the body's inflammatory response by reducing concentrations of pro-inflammatory chemicals produced by the immune cells. **Cod liver oil powder** has the added advantage of being a rich source of Vitamins A and D. In addition, its omega-3 fatty acids may reduce chronic inflammation by suppressing the proteins that promote it, TNF-alpha, IL-1, and IL-6.
- **Icelandic kelp powder** might appear to be an unusual ingredient to find in a supplement designed to support digestive health, but it has many properties that justify its inclusion. Kelp is a type of large brown seaweed that grows in shallow, nutrient-rich saltwater near coastal areas around the world. Iceland kelp grows in very severe conditions, resulting in the formation of some unique compounds not found in kelps growing in less severe conditions. Carotenoids



and flavonoids are among the array of powerful antioxidant compounds found in **Icelandic kelp powder**. They are particularly effective in neutralizing disease-causing free radicals in the body. Other health-promoting compounds in **Icelandic kelp powder** include other vitamins (Vitamin K, folate, pantothenic acid), macro-minerals (Ca, Mg), and trace elements (I, Fe).

- **EpiCor®** is a “postbiotic” a term coined and defined by the International Scientific Association for Probiotics and Prebiotics (ISAPP) as “a preparation of inanimate microorganisms and/or their components that confer health benefits on the host”. The functional ingredients in **EpiCor®** include: (a) heat-deactivated inanimate *Saccharomyces cerevisiae* yeast cells and cell walls; (b) the fermentation media used to grow the proprietary strain of yeast and its nutrients (peptides, phospholipids, vitamins, minerals); and (c) functional metabolites synthesized as a result of the manufacturing process (oligosaccharides, beta-glucans, mannanoligosaccharides, nucleotides, short-chain fatty acids, polyphenolic antioxidants, phytosterols). All of these compounds contribute to promotion of a healthy gut microbiota that, in turn, contribute to the health of the digestive system itself as well as to other organ systems in the host animal.
- **ProbioSeb Duo™** is a synbiotic, a mixture of probiotic microorganisms and a prebiotic. In this case, the probiotic organisms include *Bacillus subtilis*, *Bacillus coagulans*, and *Lactobacillus sporogenes*, three microbes believed to contribute to gut and immune health, along with the prebiotic, short-chain fructooligosaccharides (scFOS), that serve as a readily available food supply for the probiotic microbes in the ingredient in addition to those residing in the gut. Synbiotics support and enhance the resident microbiota in the large intestine of the dog and, as a result, positively impact immune health. Not only is digestive health improved, but synbiotic inclusion in this supplement affects many other organ systems in the body of the dog. The activity of the synbiotic is complemented by the presence of the longer chain fructan, **chicory inulin**, and the **yeast beta-glucans** and **mannanoligosaccharides (MOS)**. The presence of chicory inulin in the supplement ensures that both rapidly fermented fructan (scFOS) and more slowly fermented fructan (**chicory inulin**) are present and available to the gut microbiota. **Beta-1,3;1,6-linked glucans** increase resilience of the dog to bacterial enteric challenges as they activate the process of phagocytosis (results in pathogen degradation) and cytokine production (reduces the risk of inflammation). **MOS** prevent pathogen binding to gut epithelial cells of the dog. Enteric pathogens contain Type-1 fimbriae that bind to mannan-rich glycoproteins on epithelial cell surfaces. **MOS** from yeast bind with high affinity to Type-1 ligands of pathogens, thus competitively binding them and preventing them from binding to host cells, enabling the **MOS**-pathogen complex to be excreted in feces. In addition, intestinal barrier function is optimized with **MOS** addition (more goblet cells; more mucus production), thus improving gut integrity.



- **L-arginine hydrochloride** and **L-threonine** are two amino acids that have a particular role in digestive health in that they serve to protect gut barrier function and maintain/improve gut mucosal immunity. Both of these traits are key to optimal digestive health.
- While the **active ingredients** are the most important components of the next generation Digest Forte supplement, the **inactive ingredients**, too, contribute to its excellent nutritional quality. For example, **camelina meal** is a unique source of plant-derived omega-3 fatty acids that aid digestive health. **Chicken powder** contains a well-balanced amino acid profile that supports many metabolic functions within the body. It is also a good source of fat, minerals, and B-complex vitamins. A blend of natural **mixed tocopherols** serves to neutralize free radicals formed in the body. They also provide emulsifiers and chelating agents for complete protection against rancidity, thus contributing to supplement stability and shelf-life. **Pork liver powder**, along with **chicken powder**, contribute to the desirable taste of the supplement, while **stabilized rice bran** is responsible for providing proper texture and flow characteristics.