



product guide

**BIOME**

# BIOME

Solutions is proud to partner with esteemed experts in the veterinary field to introduce an innovative addition to our supplement line. We've teamed up with RISOBiotics, a division of All Creatures Healthy Soil, Inc., to provide groundbreaking gut biome support for dogs.

Our development team includes leading molecular biologists, veterinarians, animal behaviorists, and regenerative agriculture scientists. Together, they have created a revolutionary microbiome support product designed to help dogs prevent, treat, and combat disease.

While similar products may exist, RISOBiotics stands apart as the first of its kind. Through regenerative agriculture, it enhances soil health by increasing organic matter. Every detail of this product has been meticulously sourced and developed to meet the ancestral microbiome needs of dogs, promoting their overall health.

# POSTBIOTICS

- Postbiotics are bioactive compounds produced during the fermentation process of probiotics or by the action of gut microbes on dietary fibers. They include short-chain fatty acids (SCFAs), vitamins, enzymes, organic acids, and peptides. Postbiotics offer several benefits for the microbiome, digestive health, and overall well-being.
- Postbiotics can modulate the composition and activity of the gut microbiome. SCFAs, such as acetate, propionate, and butyrate, are major metabolites of bacterial fermentation in the gut. They play crucial roles in maintaining gut barrier function, regulating immune responses, and influencing the growth of beneficial bacteria. Additionally, postbiotics can enhance the production of antimicrobial peptides, which help defend against pathogens and promote a healthy microbial balance.
- Postbiotics have been shown to support digestive health by improving gut barrier integrity and reducing inflammation. SCFAs, in particular butyrate, have been found to strengthen the intestinal barrier by promoting the production of tight junction proteins, which help seal the gaps between intestinal cells and prevent the entry of harmful substances into the bloodstream. This can help alleviate symptoms of digestive disorders such as leaky gut syndrome, irritable bowel syndrome (IBS), and inflammatory bowel disease (IBD).

# PRODUCT OVERVIEW



herbal remedy for pets  
RISObiotics (postbiotic  
blend), Organic  
Dandelion Root, Organic  
Broccoli Sprouts, Organic  
Nutritional Yeast, Organic  
Dandelion Greens,  
Spirulina, Organic  
Marshmallow Root,  
Whole Quail Eggs, Food  
Grade Diatomaceous  
Earth, Organic Chicory,  
Organic Ashwagandha,  
Wild Harvested Cat's  
Claw.

- individually Hand-crafted
- certified organic
- non-gmo
- kosher
- no fillers or binders
- no preservatives
- hand-selected harvesting
- zero-waste certified ingredients



# DAILY FEEDING



Up to 20lb	1/2 tsp per day
21-40lbs	1 tsp per day
41-80lbs	1.5 tsp per day
over 81lbs	2 tsp per day

For first time use, gradually increase into your pet's diet. Start with 1/4th the recommended daily amount and increase over the course of 3 days.

Contraindications: None. This blend can be used in combination with other foods and medications.

The daily feeding amount can be fed split into multiple servings or fed all at once. The amount listed here is a total feeding amount for an entire day, not a feeding suggestion per meal.

# DAILY FEEDING



BIOME makes use of the dandelion greens and the dandelion root. Not only does this work as a natural diuretic, benefiting the urinary system, but also aids in the utility of calcium and production of histamine-metabolizing enzymes via hormone support.



Broccoli Sprouts help convert B Vitamins into usable forms and contain a chemical called TMG (trimethylglycine, or "betaine") that has been shown to regulate homocysteine levels, benefiting cardiovascular health, and also, interestingly, aids in the utilization of collagen, improving digestion and nutrient absorption.

# INGREDIENTS



Nutritional Yeast is a deactivated yeast called *Streptomyces cerevisiae*. An ample source of B Vitamins, Nutritional Yeast can help reduce inflammation, improve nutrient absorption, nourish blood, and promote neurological and cognitive health.



Spirulina is a microalgae that has been shown to be a fantastic source of amino acids, aiding in cellular regeneration, as well as antioxidants like beta-carotene and Vitamin E, and Omega 3 and 6 fatty acids.

# INGREDIENTS



Marshmallow Root is commonly touted as an excellent source of fiber, but we have found that it's best use is to bind to pathogens and remove them from the lining of the gut so that healthy bacteria can take their place.



Quail eggs are sourced from a small family farm in PA and are freeze dried and powdered whole before being packed into Mason jars and shipped to us that same week. These lil guys are fantastic sources of amino acids, benefiting cellular metabolism (cellular regeneration), as well as vitamins (A and B complex), and metabolic enzymes that increase the bioavailability of consumed foods.

# INGREDIENTS



Diatomaceous Earth is a powdery substance made up of tiny creatures called “diatoms”, which are actually microalgae that can be found in waterways and soils all over the world. Diatomaceous Earth supports hair, skin, nails, and bone health, collagen absorption, and is well known to be anti-parasitic.



Chicory Root acts as food for probiotics - a “prebiotic”, if you will. By providing dedicated food for probiotics, we increase their lifespan and help to be much more effective. When probiotics are paired with prebiotics, they need to be resupplied significantly less due to their longer utility.

# INGREDIENTS



ashwagandha

Ashwagandha is an adaptogen, commonly used to help return the body to homeostasis by balancing various hormones, benefiting anxiety levels, restful sleep, and inflammation levels. Ashwagandha also helps to stabilize calcium and magnesium retention.



cat's claw

Cat's Claw has been shown to be enormously anti-inflammatory, specifically in regards to the gut, as well as regulating blood pressure (by dilating blood vessels), and aiding in toxin removal by acting as a diuretic.