



Cocci Phyt L

Anti-Parasitic & Enteritis and Improving Gastrointestinal Function

Suitable for Pet

Oral solution

Ingredients:

- Quercus infectoria (Oak Gall) Extract
- Artemisia annua Extract
- Allium sativum (Garlic) Extract

Digestive diseases and disorders are among the most common health problems affecting pets. In addition to pain and discomfort, digestive disorders can cause more serious problems for pets such as malnutrition, dehydration, and electrolyte imbalance. Therefore, it is essential to maintain the health of the digestive system in order to effectively absorb and use nutrients and receive energy.

Mechanism of action:

Coccy Phyt L formulation is completely based on the active compounds of oak gall, garlic and artemisia plants. These active compounds exert their anti-parasitic and antibacterial effects through different mechanisms, and due to their positive effects on the structure and function of the digestive system, they improve the digestion and absorption of food and prevent the occurrence of gastrointestinal infections.

Artemisinin is the most important active compound in Artemisia, which has strong anti-parasitic effects. Artemisinin causes the formation of free radicals through the destruction of peroxide complexes and thus creates oxidative stress in the parasite. These radicals directly inhibit sporulation and prevent the formation of the parasite's cell wall. Artemisinin is also an inhibitor of sarco-endoplasmic reticulum and causes disturbance in calcium ion homeostasis and as a result disturbance in cellular pathways regulated by this ion such as protein secretion, motility, cell division and differentiation. As a result, artemisinin reduces the shedding of parasite oocysts from the animal and also reduces sporulation in the excreted oocysts. Reducing the shedding of oocysts leads to controlling the disease and preventing its transmission and spread. Artemisinin also facilitates apoptosis of infected host cells and reduces inflammatory responses against infection. In addition, the *Artemisia annua* plant contains compounds that help maintain the natural microflora of the gastrointestinal tract and thus increase nitrogen absorption. Tannin is the most important active compound of oak gall, which penetrates the wall of oocysts and causes inactivation of enzymes responsible for sporulation. In addition, tannins, by having antimicrobial, antioxidant and anti-inflammatory properties, improve the environment of the digestive system. By forming a complex with proteins, tannins remove them from the reach of the bacteria in the digestive system so that they reach the intestinal environment safely and are absorbed by the body's cells. Also, it exerts its antibacterial effects by changing the morphology and permeability of the bacterial cell wall, reducing the activity of microbial enzymes and removing the metal ions and nutrients needed by the bacteria. Tannins actually inhibit pathogens by inhibiting motility, quorum sensing and biofilm formation. Also, tannins can maintain the integrity of the intestinal barrier and, by entering the bloodstream, regulate immune cells to fight infections. The sulfur-containing compounds in garlic, such as allicin, have broad antimicrobial properties that can reduce the negative effects caused by microbial infections. Allicin has a direct cytotoxic effect on sporozoites and reduces the shedding of oocysts. It also effectively inhibits the sporulation of protozoan parasites such as *Toxoplasma*. Allicin reacts with the thiol group of the amino acid cysteine in the enzymes of pathogens that contain the thiol group and deactivates them. In general, the formulation of Coccy Phyt L medicine is such that these active compounds together have the highest efficiency and are safe at the same time.

Cocci Phyt L Indications:

- Prevention and treatment of parasitic infections such as coccidiosis, toxoplasmosis, pigeon trichomoniasis, etc.
- Prevention and treatment of gastrointestinal worms
- Prevention and treatment of enteritis
- Treatment of diarrhea
- Improving gastrointestinal function



Recommended dosage:

Pet: 1 ml/5 kg of body weight (20 drops) for 3 to 5 days

Companion birds: 2 to 5 drops for 3 to 5 days

Storage Conditions:

Store in a dry place at 25°C and away from direct sunlight.

Drug Interaction:

Compatible with all kinds of commonly used medicines, additives and vaccines.

There is no risk of resistance.

Cautions:

Keep out of reach of children

Packaging:

30 ml bottles

Expiration Date:

24 months from production date



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