



## Cocci Phyt L

**Anticoccidial and Improves Digestive System Function**

**Suitable for Ruminants**

**Oral Solution**

### Ingredients:

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

Diarrhea is one of the common problems seen in ruminant farming. Diarrhea causes disruption in absorption of food in the intestines and imbalance of ions in the body. Decreased absorption of consumed food and lack of energy and nutrients required by the body causes lethargy, anorexia and even death. One of the most important causes of diarrhea in ruminants is coccidiosis.

Coccidiosis is a parasitic infectious disease of the gastrointestinal tract caused by different species of Eimeria parasites. In addition to diarrhea and clinical symptoms, coccidiosis in the subclinical form causes a drop in herd production and efficiency, and as a result, it is considered as the 5<sup>th</sup> economically important disease in cattle. Indiscriminate use of anticoccidial drugs has led to the spread of resistance to these drugs and their ineffectiveness. This caused the European Union to limit the use of chemical anticoccidials in feed since 2006, and the complete prohibition of these compounds in feed is imminent. On the other hand, most of the chemical anticoccidials have a withdrawal period due to residues in animal production and cannot be used during production and milking period. This issue has increased the risk of coccidiosis in these periods, which will cause heavy economic losses to ruminant farmers.

Cocci Phyt L, the liquid herbal anticoccidial medicine, stops the life cycle of the parasite and prevents the transmission of infection by controlling and inhibiting the growth of coccidia oocysts in the early stages and causes definitive prevention and treatment of coccidiosis in all types of ruminants. Cocci Phyt L can be completely replaced with coccidiocides in ruminants. The most important feature of Cocci Phyt L is that it can be used throughout the production period, and this medicine does not have any contraindications or withdrawal periods. Due to its herbal and safe formulation, Cocci Phyt L can be used in the production and milking period, and due to the presence of several effective and active compounds, it does not cause any drug resistance.

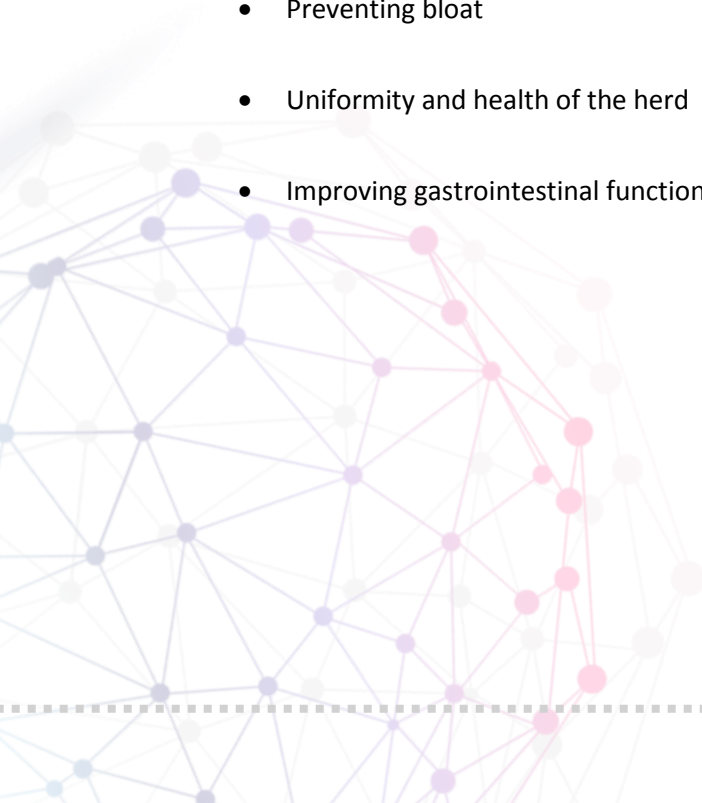
### **Mechanism of action:**

The formulation of this herbal anticoccidial medicine is completely based on the active compounds of oak gall, garlic and artemisia plants. 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 causes oxidative stress in the parasite. These radicals directly inhibit sporulation and prevent the formation of the parasite's cell wall. Artemisinin is a sarco-endoplasmic reticulum inhibitor and causes disturbance in calcium ion homeostasis and as a result disturbs 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 oocyst shedding leads to controlling the disease and preventing its transmission and spread at the herd and farm level. In addition, the Artemisia annua plant contains compounds that help maintaining the natural microflora of the digestive 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 have antimicrobial, antioxidant and anti-inflammatory properties and therefore 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 tract so that they reach the intestinal environment safely and are absorbed by cells of the body.

The sulfur containing compounds in garlic, such as allicin, have broad antimicrobial properties that can reduce the negative effects caused by microbial infections. Allicin effectively inhibits Eimeria parasite sporulation. In general, Cocci Phyt L is formulated in a way which these active compounds have the highest efficiency together and are safe at the same time.

### Cocci Phyt L Indications:

- Prevention and treatment of Coccidiosis
  - Complete replacement of Monensin in ruminants
  - Increasing the efficiency of consumed and passing protein
  - Improving FCR and growth efficiency
  - Increasing the quality and amount of milk production
  - Preventing acidosis
  - Reducing protozoa population
  - Decreasing the intestinal parasitic population
  - Reducing methane production
  - Improving the digestive system function
  - Preventing bloat
  - Uniformity and health of the herd
  - Improving gastrointestinal function
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**Recommended dosage:**

1 to 2 ml per 10 kg of body weight should be consumed using a drencher for 5 days. If you need to continue the treatment, consult a veterinarian.

**Storage Conditions:**

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

**Withdrawal Period:**

No withdrawal period is required.

**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:**

250 ml bottles

**Expiration Date:**

24 months from production date



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