

Tinazole

Dosage Form: Powder for oral administration, for veterinary use.

Target Species: Cattle, swine, dogs, cats, rabbits, nutria, poultry (broiler chicks, replacement pullets of layer breeds, turkey poults, goslings, ducklings, pigeons).

Pharmacotherapeutic Group: Systemic antibacterial agent, antiprotozoal drug.

ATCvet Code: QJ01XD02, QP51AA02

Composition

1 g of powder contains active substance:

- Tinidazole – 0.25 g

Excipients: Lactose.

Description: Nearly white powder with a yellowish tint and a characteristic specific odor.

Packaging: 250 g powder in a silver three-layer package (polypropylene, aluminum foil, polyethylene).

Pharmacological Properties

Tinidazole is a synthetic imidazole derivative with a pronounced broad spectrum of activity against protozoa (*Balantidium coli*, *Entamoeba histolytica*, *Treponema hyodysenteriae*, *Histomonas meleagridis*, *Lamblia intestinalis*, *Eimeria spp.*, *Trichomonas columbae*, *T. gallinae*).

It also exhibits bactericidal activity against anaerobic bacteria (*Bacteroides spp.*, *Fusobacterium spp.*, *Clostridium spp.*) and most Gram-positive and Gram-negative cocci.

Tinidazole penetrates bacterial cells and disrupts the helical structure of DNA or inhibits its synthesis.

After oral administration, tinidazole is rapidly and almost completely absorbed from the gastrointestinal tract. Maximum serum concentration is reached within 2 hours and persists for up to 12 hours. It is widely distributed throughout body tissues and is biotransformed in the liver. Approximately 60% is excreted in urine and 12% in feces.

According to interstate classification standards, the product belongs to Hazard Class IV — low-hazard substances.

Indications for Use

Used for treatment and prevention of infections caused by microorganisms sensitive to the drug:

Swine:

Amoebic dysentery, balantidiosis, eimeriosis, colibacillosis, salmonellosis, enteritis of unknown etiology, septicemia, postpartum and surgical infections.

Cattle:

Trichomoniasis, eimeriosis, salmonellosis, enterocolitis, surgical and postpartum inflammations.

Dogs and Cats:

Giardiasis, amoebiasis, trichomoniasis, mixed anaerobic-aerobic infections.

Rabbits and Nutria:

Eimeriosis (hepatic coccidiosis).

Poultry (broilers, replacement pullets, turkey poults, goslings, ducklings, pigeons):

Histomoniasis, trichomoniasis, eimeriosis, salmonellosis.

Dosage and Administration

Administer orally by mixing with feed:

Calves:

0.5 g per 10 kg body weight, twice daily for 3–5 days.

Suckling piglets:

0.25 g per animal, twice daily for 3–4 days.

Growing pigs:

0.5 g per animal, twice daily for 3–4 days.

If body weight exceeds 40 kg — 2.5 g per animal, twice daily for 3–5 days.

If necessary, the treatment course may be repeated after 7–10 days.

Dogs:

For giardiasis — 0.8–1 g per 10 kg body weight for 5 days;

For anaerobic infections — 0.4–0.5 g per 10 kg body weight for 2–3 weeks;

For amoebiasis — 0.5–0.6 g per 10 kg body weight for 5 days.

Cats:

For giardiasis and trichomoniasis — 0.4–0.5 g per 10 kg body weight for 10 days.

Poultry:

For prevention of histomoniasis — 1 g per kg of feed;

For treatment — 2 g per kg of feed for 10 days.

Rabbits and Nutria:

For treatment of eimeriosis (adults) — 0.2–0.3 g per kg body weight for 3 days;

For prophylaxis in young animals during weaning — 0.1 g per kg body weight for 10 days.

Side Effects

When used at recommended doses, no side effects are observed.

At excessive doses or with prolonged use, candidiasis may develop; vomiting may occur in piglets.

If adverse reactions occur, discontinue use and provide appropriate symptomatic treatment.

Contraindications

Do not use in animals with hypersensitivity to tinidazole or in laying hens.

Withdrawal Period

Animals may be slaughtered for meat 8 days after the last administration of the drug.

Before this period, meat may be used for feeding non-productive animals or must be disposed of.

Milk may be used for human consumption 10 days after the last administration.

Before this period, milk should be boiled and fed to animals only.

Storage Conditions

Store in a dry, cool place protected from sunlight at a temperature not exceeding 25°C.

Shelf Life

3 years.

Manufacturer

Biotecs LLC, Georgia, Tbilisi, 8 Iumashevi Street.