

FENDOT

Fenbendazole I.P. 250 mg Veterinary Oral Powder

Description

Fenbendazole I.P. 250 mg is a broad-spectrum anthelmintic veterinary oral powder used for treating gastrointestinal parasitic infections in food-producing animals such as cattle, sheep, goats, and pigs. It belongs to the benzimidazole class and works by binding to parasite β -tubulin, disrupting microtubule formation and energy metabolism, resulting in parasite death. The powder formulation ensures ease of administration mixed with feed or oral drenching, conforming to Indian Pharmacopoeia (I.P.) standards.

Specification

- **Appearance:** Fine, free-flowing powder with characteristic odour
- **Identification:** Matches Fenbendazole I.P. reference standard by chemical tests and chromatographic methods
- **Assay:** 98.0% to 102.0% Fenbendazole content determined by validated High-Performance Liquid Chromatography (HPLC)
- **Loss on Drying:** Not more than 5.0%
- **Residue on Ignition:** Not more than 0.5%
- **Microbial Limits:** Complies with veterinary microbiological standards
- **Heavy Metals:** Within permissible limits as per Indian Pharmacopoeia
- **Uniformity:** Homogeneous distribution of active ingredient per dosage unit
- **Shelf-life:** Minimum 24 months when stored under recommended conditions
- **pH:** Neutral to slightly acidic (if applicable)

Indications

Fenbendazole I.P. 250 mg oral powder is indicated for the treatment and control of mixed gastrointestinal parasitic infections including nematodes (roundworms, hookworms, whipworms), cestodes (tapeworms), selected trematodes (liver and lung flukes) in livestock species such as cattle, sheep, goats, and pigs.

Dosage and Route of Administration

- **Route:** Oral, either mixed with feed or administered directly into the oral cavity (drenching)
- **Dosage:** 5 mg Fenbendazole per kg body weight daily for 3 consecutive days (total 15 mg/kg)
- For 250 mg/g powder, dose approximately 0.02 g powder per kg body weight per day for 3 days
- Adjust dose according to species and severity of infestation
- Administer with adequate clean water and under veterinary supervision

Product Form

- Oral powder formulation
- Pack size: 60 grams
- Fine, homogenous powder suitable for mixing in feed or oral dosing

Usage and Advantages

- Broad-spectrum anthelmintic effective against multiple gastrointestinal parasites
- Easy oral administration improves compliance and dosing accuracy
- Low toxicity with minimal adverse reactions
- Helps improve animal health and productivity by controlling parasitic infections
- Supports economic benefits by reducing parasitic disease impact
- Complies with veterinary drug regulatory standards for food-producing animals

Adverse Effects

- Generally safe and well tolerated at recommended doses
- Possible mild gastrointestinal disturbances in rare cases (e.g., transient diarrhoea, anorexia)
- Hypersensitivity reactions are rare
- Overdose may cause transient neurological symptoms like ataxia
- Monitor animals during treatment and report any adverse effects to a veterinarian

Withdrawal Period

- Meat and edible tissues: minimum 14 days after last dose
- Milk: minimum 5 days withdrawal before use in human consumption
- Follow label instructions and local regulations to ensure residue compliance

Storage and Handling

- Store in a cool, dry place below 30°C
- Protect from light, moisture, and heat
- Keep container tightly closed when not in use
- Use personal protective equipment when handling powder
- Keep out of reach of children and unauthorized personnel
- Dispose of unused product and packaging according to local environmental guidelines

HS and HSN Code

- **HS Code:** 2933.39 — Other Heterocyclic Compounds with Nitrogen Containing Rings
- **HSN Code (India):** 2941 — Antibiotics and other Antimicrobial Preparations for Veterinary Use

Precautions and Special Instructions

- Use only under veterinary prescription and supervision
- Do not exceed recommended dosage
- Avoid use in animals with known sensitivity to benzimidazoles
- Rotate anthelmintics periodically to prevent resistance
- Maintain good husbandry and hygiene practices to reduce parasite burden
- Observe animals for efficacy and safety during and after treatment

Details of Human and Veterinary Application

- Exclusively for veterinary use, **not intended for human use or consumption**
- Fenbendazole is classified as a veterinary anthelmintic with a wide safety margin
- Prevent human exposure during handling; in case of accidental ingestion, seek medical advice immediately
- Adhere strictly to withdrawal periods to avoid drug residues in animal products

? Frequently Asked Questions (FAQs)

Q: What is Fenbendazole (FBZ)?

A: Fenbendazole (FBZ) is a broad-spectrum anthelmintic drug from the benzimidazole class used to treat parasitic worm infections in animals by disrupting their cellular energy metabolism.

Q: How is Fenbendazole oral powder administered?

A: It is administered orally by mixing in feed or by direct oral dosing (drenching) for 3 consecutive days.

Q: Which animals can be treated with Fenbendazole?

A: Approved for cattle, sheep, goats, pigs, and other food-producing animals as specified on the product label.

Q: What is the withdrawal period for Fenbendazole?

A: Minimum 14 days for meat and 5 days for milk before animal products can enter the human food chain.

Q: Are there side effects?

A: Side effects are uncommon but may include mild gastrointestinal upset; monitor animals during treatment.

Q: Is Fenbendazole safe during pregnancy?

A: Use only under veterinary advice; safety during pregnancy has not been fully established.

Q: How should the powder be stored?

A: Store below 30°C in a dry place away from light and moisture.

