

ALBADOT

ALBENDAZOLE I.P. 1.5 GM VETERINARY BOLUS

DESCRIPTION

Albendazole I.P. 1.5 g Bolus is a broad-spectrum **anthelmintic** formulation intended for oral administration in large animals such as cattle, buffalo, sheep, and goats.

Albendazole, a benzimidazole derivative, acts by disrupting the energy metabolism of helminths, leading to **immobilization and death** of susceptible parasites.

Effective against a wide range of **gastrointestinal and pulmonary nematodes, tapeworms, and adult liver flukes**.

SPECIFICATION

Composition per bolus:

- Albendazole I.P. – 1500 mg (1.5 g)
- Excipients – q.s.

Excipients may include:

Lactose, maize starch, microcrystalline cellulose, magnesium stearate, disintegrants, and other pharmaceutically acceptable binders, conforming to Indian Pharmacopoeia (I.P.) or equivalent veterinary standards.

Dosage Form:

Solid oral veterinary bolus

Appearance:

Large, oval or round bolus; white to pale yellow in colour; embossed or plain depending on branding.

CATEGORY

Pharmacological Class:

- Anthelmintic (Benzimidazole class)

Therapeutic Use:

Oral treatment and control of **helminthic infestations** in livestock

INDICATIONS

Used for the **treatment and control** of internal parasitic infections, including:

- **Roundworms (Nematodes)** – Haemonchus, Trichostrongylus, Cooperia, Ostertagia, Bunostomum, Nematodirus
- **Lungworms** – Dictyocaulus spp.
- **Tapeworms (Cestodes)** – Moniezia spp.
- **Adult Liver Flukes (Trematodes)** – Fasciola hepatica (adult stage only)

Suitable for **routine deworming** in cattle, buffalo, sheep, goats, and other large ruminants.

DOSAGE & ROUTE OF ADMINISTRATION

Route: Oral (via whole bolus ingestion)

Recommended Dosage:

- **Cattle/Buffalo (Large Ruminants):** 1 bolus per 400–500 kg body weight
- **Sheep/Goat (Smaller Ruminants):** Dose adjusted accordingly, typically 7.5 mg/kg body weight

Always consult a registered veterinarian for exact dosing. Adjust dose according to species, age, and weight.

ADVANTAGES

- **Broad-spectrum action:** covers nematodes, cestodes, and trematodes
- **Single-dose convenience** for routine deworming
- **Highly effective** in improving growth, milk yield, and general health
- **Well-tolerated** in most livestock species
- **Low resistance risk** when used as per rotation protocol

ADVERSE EFFECTS

Generally safe when used as directed. Rare effects may include:

- Temporary reduction in feed intake
- Diarrhoea or mild GI upset
- Teratogenicity in early pregnancy (see Precautions)

Discontinue use and consult a veterinarian if unusual signs occur.

PRECAUTIONS

- **Do not administer to pregnant animals** during the first 45 days (first trimester), due to risk of embryo-fetal toxicity
- Avoid underdosing to reduce risk of resistance
- Do not use in animals with known hypersensitivity to Albendazole or related compounds
- Maintain appropriate dosing intervals to ensure efficacy and resistance control
- Use as part of a **strategic deworming program**

WITHDRAWAL PERIOD

- **Meat:** Minimum **28 days**
- **Milk:** Minimum **7 days**

Follow national veterinary drug regulatory authority guidance strictly. Maintain withdrawal record logs for food safety compliance.

STORAGE CONDITIONS

- Store in a **cool and dry** place, below **30°C**
- Protect from **moisture, heat, and direct sunlight**
- Do not freeze
- Keep in original packaging until time of use

HANDLING INSTRUCTIONS

- Use gloves while administering
- Wash hands thoroughly after handling
- Do not crush or split the bolus
- Keep out of reach of children and non-target species
- Dispose of expired or unused bolus as per regulatory guidelines

SCHEDULE & REGULATORY CLASSIFICATION

- **Schedule H** equivalent (Veterinary prescription-only)
- Not for retail sale without a prescription from a registered veterinarian
- Regulated under **Drugs and Cosmetics Act (India)** or equivalent veterinary drug law in respective country

HS & HSN CODES

- **HS Code (International):** 3004.90 – Medicaments (veterinary use)
- **HSN Code (India):** 30049099 – Other veterinary medicaments (not elsewhere classified)

HUMAN VS. VETERINARY APPLICATION

Veterinary Use Only

- Formulated specifically for large animal dosing
- Bolus size, excipients, and concentration are **not suitable for humans**
- **Human use is strictly prohibited**

SPECIAL INSTRUCTIONS

- Administer as part of **regular herd health protocol**
- Rotate with other anthelmintics (e.g., ivermectin, levamisole) to prevent resistance
- Do not mix with feed unless instructed
- Ensure **accurate body weight** measurement for correct dosage
- Observe for post-deworming reactions (passing of worms, stool changes)

FREQUENTLY ASKED QUESTIONS (FAQ)

Q: What is Albendazole used for in veterinary medicine?

A: Albendazole is a **broad-spectrum dewormer** used to treat **roundworms, tapeworms, lungworms,** and **adult liver flukes** in livestock.

Q: How often should this bolus be given?

A: Usually every **3 to 6 months**, depending on the farm's deworming schedule, local parasite prevalence, and veterinary advice.

Q: Can it be given during pregnancy?

A: Do not use in the first trimester. Safe use later in pregnancy should be confirmed with a veterinarian.

Q: Is it effective against liver flukes?

A: Yes, but only against the **adult stage** of **Fasciola hepatica**. For immature fluke stages, a different product may be required.

Q: Can it be used in lactating animals?

A: Yes, but observe **milk withdrawal period of at least 7 days**.