

# Almex-Vet<sup>®</sup> Bolus

Albendazole USP

## Presentation:

Each bolus contains Albendazole USP 600 mg.

## Pharmacology:

Benzimidazoles bind to  $\beta$ -tubulin, which in turn prevents its dimerization with  $\alpha$ -tubulin and the polymerization of tubulin oligomers into microtubules. Microtubules are essential structural units of many organelles and are necessary for numerous processes, including protein assembly, and energy metabolism. Mammals also rely on tubulin for cellular metabolism but BZDs have a higher affinity for nematode tubulin at normal body temperature range of mammals.

## Indication:

It is used as anthelmintic against most nematodes and cestodes. Almex-Vet<sup>®</sup> is effective against these gastrointestinal parasites: Bunostomum, Chabertia, Cooperia, Haemonchus, Nematodirus, Ostertagia, Strongyloides, Dictyocaulus viviparus, Moniezia expansa, Liver flukes and Paramphistomes. It is also effective against different types of worms, lung flukes and lung nematodes.

## Benefits:

- Ideal for multiple helminth viz. round worms, tape worms, lung worms and flukes.
- Proven broad spectrum activity against mature and immature stages of worms.
- Wide safety margin, no side effects.
- In pregnant animals can be used after 1st month of pregnancy.
- Cost effective compared to other anthelmintics available in the market.

## Dosage & Administration:

Animals	Type of worms	Dose (mg/kg b.wt)
Cattle & Buffaloes	Roundworms, Tapeworms, Lungworms	7.5
	Liver Flukes	10
Sheep & Goats	Roundworms, Tapeworms, Lungworms	5
	Liver Flukes	7.5
Horses	Roundworms, Pinworms	7.5
	Lungworms	25 (b.i.d.) for 5 days.
Dogs & Cats	Roundworms, Whipworms, Hookworms, Tapeworms, Lungworms, Bladderworms, Liver flukes	15

## Side effect:

In several cases nausea, vomiting may occur.

## Safety index:

Wide safety margin than any other group due to greater selective affinity for parasitic  $\beta$ -tubulin than for animal tissues.

## Withdrawal period:

Meat: 8-14 days, Milk: 3-5 days

## Package quantity:

5X4's blisters in a box.