

COMBIOX

Drench

For Veterinary Use Only

COMPOSITION:

Each ml contains:

Oxyclozanide.....	94mg
Oxfendazole.....	34mg
Cobalt Sulphate.....	3.82mg
Sodium Selenite.....	0.50mg

INDICATIONS:

Combiox drench is a broad spectrum anthelmintic indicated for the control and treatment of adult & immature stages of liver flukes (Fascioliasis), lung worms, gastrointestinal round worms and tape worms of cattle, buffalo, sheep and goat.

CONTRAINDICATIONS:

Do not use in animals with known hypersensitivity to the active ingredients.

ADVERSE EFFECTS:

None known.

TARGET SPECIES:

Cattle, buffalo, sheep, goat.

DOSAGE & ADMINISTRATION:

Administer the following dose orally by using drenching

Cattle/ Buffalo 2ml per 15kg body weight.		Sheep/Goat 1.5ml per 10kg body weight.	
Body Weight	Dose	Body Weight	Dose
45kg	6ml	10kg	1.5ml
50kg	7ml	12kg	3ml
150kg	20ml	30kg	4.5ml
300kg	40ml	40kg	6ml
Above 300kg body weight administer extra 2ml dose per 15kg body weight.		Above 40kg body weight administer extra 1.5ml dose per 10kg body weight.	

PHARMACOLOGICAL PROPERTIES:

Pharmacodynamics

Oxyclozanide is an anthelmintic of the salicylanilide group. It is effective against Fasciola species, acting as an uncoupler of oxidative phosphorylation. It may act at more than one site to decrease levels of ATP leading to metabolic malfunction and death of the parasite.

Oxfendazole belongs to a class of compounds, the benzimidazoles. It has been shown to be effective against gastrointestinal roundworms, lungworms and tapeworms, including inhibited/arrested larvae of Haemonchus and Ostertagia spp. The disruption of parasite metabolic processes and the effects of oxfendazole on enzymes of helminth parasites involves inhibition of glucose and sodium uptake, reduced muscle glycogen content, uncoupling of oxidative phosphorylation and inhibition of

malate dehydrogenase and fumarate reductase.

Addition of cobalt helps in the synthesis of B12. Vitamin B12 is essential for energy metabolism and the production of red blood cells.

Sodium Selenite is a trace element which works with vitamin E to prevent and repair cell damage in the body.

Pharmacokinetics

Oxyclozanide is slowly absorbed after oral administration with peak plasma levels 24 hours after dosing. Excretion is predominantly faecal, biliary excretion being the most important route of elimination (cattle studies only). Oxfendazole and related compounds are absorbed to a limited extent, but following absorption they recycle across the gut wall between the blood and the GIT. Extensive metabolism occurs following oral administration and the primary metabolites appear to deplete from tissues relatively rapidly via urine and bile. Metabolites are generally more water-soluble than the parent drug and are thus more readily excreted.

PRECAUTIONS:

Accurate estimates of body weight are essential for effective medication.

Shake well before use.

Store between 15-25°C in a cool and dry place. Keep out of the reach of children.

Consult the veterinarian before use.

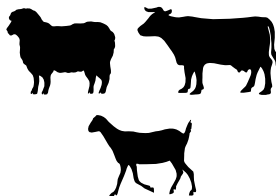
WITHDRAWAL TIME:

Meat: 28 days Milk: 72 hours

PACKING:

100ml, 250ml, 500ml, 1000ml

Innovator's Specs.



Manufactured by:
Selmore Pharmaceuticals (Pvt) Ltd.
36 Km Multan Road, Lahore, Pakistan.

