

Actimec

DS Injection

For Veterinary Use Only

COMPOSITION:

Each ml contains

Ivermectin 20mg

Clorsulon 100mg

INDICATIONS:

Actimec-DS injection is recommended for the treatment and control of internal and external parasites in cattle, sheep, goats and camels. Addition of Clorsulon makes it an ideal preparation to control adult and immature liver flukes.

CONTRAINDICATIONS:

Do not use intramuscularly or intravenously.

Actimec-DS Injection for Cattle is a low-volume product registered for use in cattle. Do not use in other species as severe adverse reactions, including fatalities in dogs, may occur. Do not use in animals with known hypersensitivity to the active ingredient or any of the excipients.

MODE OF ACTION:

Ivermectin is a member of the macrocyclic lactone class of endectocides which have a unique mode of action. Compounds of the class bind selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the parasite. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gammaaminobutyric acid (GABA). The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels, the macrocyclic lactones have a low affinity for other mammalian ligand gated chloride channels and they do not readily cross the blood-brain barrier.

Clorsulon is rapidly absorbed into the circulating blood. Erythrocytes with bound drug as well as plasma are ingested by *Fasciola* spp. Adult

Fasciola spp. are killed by clorsulon because of inhibition of enzymes in the glycolytic pathway, which is their primary source of energy.

ADVERSE REACTIONS:

Transitory discomfort has been observed in some cattle following subcutaneous administration. A low incidence of soft tissue swelling at the injection site has been observed. These reactions disappeared without treatment.

DOSAGE AND ADMINISTRATION:

Cattle/Camels: 1ml/100kg bodyweight.

Sheep/Goats: 0.5ml/50kg bodyweight.

Lambs: 0.1ml/2.5kg bodyweight.

Only subcutaneous administration is recommended. Divide the doses greater than 10ml between two injection sites.

WITHDRAWAL TIME:

Meat: 21 days.

PRECAUTIONS:

Do not use in calves to be processed for veal.

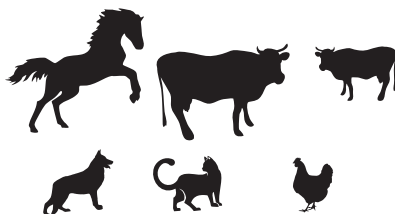
Do not contaminate lakes or water streams as free Ivermectin may adversely affect fish and certain water borne organisms.

Consult the veterinarian before use.

Keep out of the reach of children.

Store between 15- 25°C in a cool and dry place.

USP Specs



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