

Iveen Plus

Injection

Eradicates the endo-ecto parasites
& Liver Flukes

For-Vet. Use



Composition:

Each 100 ml contains: Ivermectin: 1 gm and clorsulon 10 gm.

Properties:

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 gamma-aminobutyric 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 hepatica*. Adult *Fasciola hepatica* are killed by clorsulon because of inhibition of enzymes in the glycolytic pathway, which is their primary source of energy.

Indications:

Cattle:

Iveen plus injection is indicated for the effective treatment and control of the following parasites of cattle:

Gastrointestinal Roundworms (adults and fourth-stage larvae):

Ostertagia ostertagi (including inhibited *O. ostertagi*), *O. lyate*, *Haemonchus placei*, *Trichostrongylus axei*, *T. colubriformis*, *Cooperia oncophora*, *C. punctata*, *C. pectinata*, *Bunostomum phlebotomum*, *Nematodirus helvetianus* (adults only), *N. spathiger* (adults only) and *Oesophagostomum radiatum*

Lungworms (adults and fourth-stage larvae): *Dictyocaulus viviparus*

Liver Flukes: *Fasciola hepatica* (adults only)

Cattle Grubs (parasitic stages):

Hypoderma bovis and *H. lineatum*

Sucking Lice:

Linognathus vituli, *Haematopinus eurysternus* and *Solenopotes capillatus*

Mange Mites (cattle scab*):

Psoroptes ovis (syn. *P. communis* var. *bovis*) and *Sarcoptes scabiei* var. *bovis*

Persistent Activity

Iveen plus Injection has been proved to effectively control infections and to protect cattle from reinfection with *Dictyocaulus viviparus* and *Oesophagostomum radiatum* for 28 days after treatment; *Ostertagia ostertagi*, *Trichostrongylus axei* and *Cooperia punctata* for 21 days after treatment; *Haemonchus placei*, and *Cooperia oncophora* for 14 days after treatment.

Target species: cattle.

Dosage and administration:

Iveen plus Injection should be given only by subcutaneous injection.

Cattle:

Of active: 200 µg (0.2 mg) of ivermectin and 2000 µg (2 mg) clorsulon.

Of product: 1 ml / 50 kg body weight

Warnings and Precautions:

Care should be taken to avoid the following practices because they increase the risk of development of resistance and could ultimately result in ineffective therapy:

- Too frequent and repeated use of anthelmintics from the same class, over an extended period of time.

- Under dosing, which may be due to underestimation of body weight, misadministration of the product, or lack of calibration of the dosing device.

- Divide doses in excess of 10 ml between different injection sites and use different sites to those used for other parenteral medications.

- Use dry sterile needle and syringe.

- Not to be used in recently born pet animals.

Contraindications:

- This product is not to be used intramuscularly or intravenously.

- This product is registered for use in cattle only.

- Do not use in other species as severe adverse reactions, including fatalities, may occur.

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

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.

Withdrawal time:

Cattle:

- Meat: 49 days.

- Milk: Not permitted for use in animals producing milk for human consumption, including pregnant animals intended to produce milk for human consumption.

Storage Condition:

Store at a temperature not exceeding 30°C away from light. Use within 3 months after opening when stored at temperature 30°C

Packing:

Carton box contains glass vials of 10 ml, 20 ml, 30 ml, 50 ml, 100 ml, 250 ml, and 500 ml + outer label & insert leaflet

Manufactured by: ADWIA Co. S.A.E. 10th of Ramadan City
Made In Egypt