

ELIVEC 5 mg/ml

Eprinomectin pour-on solution for cattle

PROTECTION FROM ALL DIRECTIONS

ZERO HOURS WITHDRAWAL PERIOD

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One ml of solution contains: **Active substance:**
Eprinomectin 5.00 mg

Indications for use, specifying the target species

Treatment of infestations by the following parasites sensitive to eprinomectin:

Parasite	Adult	L4	Inhibited L4
Gastrointestinal roundworms			
<i>Ostertagia ostertagi</i>	✓	✓	✓
<i>Ostertagia lyrata</i>	✓	✓	
<i>Haemonchus placei</i>	✓	✓	
<i>Trichostrongylus axei</i>	✓	✓	
<i>Trichostrongylus colubriformis</i>	✓	✓	
<i>Cooperia</i> spp.	✓	✓	✓
<i>Cooperia oncophora</i>	✓	✓	
<i>Cooperia punctata</i>	✓	✓	
<i>Cooperia pectinata</i>	✓	✓	
<i>Cooperia surnabada</i>	✓	✓	
<i>Bunostomum phlebotomum</i>	✓	✓	
<i>Nematodirus helvetianus</i>	✓	✓	
<i>Oesophagostomum radiatum</i>	✓	✓	
<i>Oesophagostomum</i> sp.	✓		
<i>Trichuris discolor</i>	✓		
Lungworms			
<i>Dictyocaulus viviparus</i>	✓	✓	

- Warbles (parasitic stages):
Hypoderma bovis, *Hypoderma lineatum*

- Mange mites:
Chorioptes bovis, *Sarcoptes scabiei* var. *Bovis*

- Sucking lice:
Linognathus vituli, *Haematopinus eurysternus*
Solenopotes capillatus

- Biting lice:
Bovicola (Damalinia) bovis

- Horn flies:
Haematobia irritans

The product protects the animals against reinfestations with:

- *Nematodirus helvetianus* for 14 days.
- *Trichostrongylus axei* for 21 days.
- *Dictyocaulus viviparus*, *Haemonchus placei*, *Cooperia oncophora*, *Cooperia punctata*, *Cooperia surnabada*, *Oesophagostomum radiatum* and *Ostertagia ostertagi* for 28 days.

The duration of persistent efficacy can be variable for *Cooperia* spp and *H. placei* 14 days after treatment in particular in young and lean animals at the time of treatment.

Contraindications

Avermectins may not be well tolerated in non-target species (including dogs, cats and horses). Cases of mortality are reported in dogs, especially Collies, bobtail and related breeds and crosses, and also in turtles/tortoises. Do not use in other animal species. Do not administer orally or by injection. Do not use in cases of hypersensitivity to the active substance or to any of the excipients.

Special precautions for use in animals

For external use only. For effective use, the product should not be applied to areas of the backline covered with mud or manure. The product should be applied only on healthy skin. To avoid adverse reactions due to the death of warble larvae in the oesophagus or backbone, it is recommended to administer the product after the end of warble fly activity and before the larvae reach their resting sites in the body; consult a veterinary surgeon to know the appropriate treatment period. Special precautions to be taken by the person administering the veterinary medicinal product to animals. This product may be irritating to the skin and eyes and may cause hypersensitivity (allergic reactions). Avoid contact with the skin and eyes during treatment and when handling recently treated animals. People with known hypersensitivity to eprinomectin should avoid contact with the product. Wear rubber gloves, boots and a waterproof coat when applying the product. If accidental skin contact occurs, wash the affected area immediately with soap and water. If accidental eye exposure occurs, flush the eyes immediately with water. Should clothing become contaminated, remove as soon as possible and launder before re-use. This product may affect the central nervous system if accidentally ingested. Avoid accidental ingestion of the product, including by hand to mouth contact. If ingestion does occur, wash the mouth out with water and seek medical advice. Do not smoke, eat or drink while handling the product. Wash hands after use. **Other precautions:** Eprinomectin is very toxic to aquatic organisms, is persistent in soils and may accumulate in sediments.



Adverse reactions (frequency and seriousness)

In very rare cases, transient licking reactions, skin tremor at the administration site, minor local reactions such as the occurrence of dandruff and skin scales at the administration site have been observed.

Use during pregnancy, lactation or lay

Laboratory studies (rat, rabbit) have not produced any evidence of a teratogenic or embryotoxic effects due to the use of eprinomectin at therapeutic doses. The safety of the veterinary medicinal product in cattle has been established during pregnancy and lactation and in reproductive bulls. Can be used during pregnancy and lactation as well as in reproductive bulls.

Interaction with other medicinal products and other forms of interaction

Since eprinomectin binds strongly to plasma proteins, this should be taken into account if it is used in association with other molecules having the same characteristics.

Amounts to be administered and administration route

Pour-on use. To be administered topically in one single treatment at the dose rate of 500 µg eprinomectin per kg b.w., equivalent to 1 ml per 10 kg b.w.

Overdose (symptoms, emergency procedures, antidotes), if necessary

No signs of toxicity have been observed after administration of up to 5 times the recommended dose. No specific antidote has been identified.

Withdrawal period(s)

Meat and offal: 15 days. Milk: zero hours.

Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years.
Shelf life after first opening the immediate packaging: 18 months and before expiry date.

Special precautions for storage

1 L: Keep the bottle in the outer carton in order to protect from light.
2.5 L and 5 L: This veterinary medicinal product does not require any special storage conditions.

Pack size

1 L, 2.5 L and 5 L plastic bottles.

Marketing authorisation holder

LIVISTO Int'l, S.L.
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08290 Cerdanyola del Vallès
Barcelona (Spain).

Reference

1. Riviere, J. E. & Papich, M. G. *Veterinary Pharmacology & Therapeutics*; 1190-1191 (Wiley-Blackwell, 2009).

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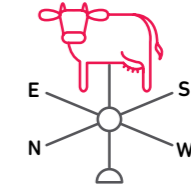
Along with you



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ENDECTOCIDE ACTIVITY

ELIVEC has broad spectrum activity with high rates of efficacy against several common species of both endoparasites and ectoparasites.

ENDOPARASITES



GASTROINTESTINAL ROUNDWORMS (Adults and L4 larvae)

- *Ostertagia ostertagi* (including inhibited L4 larvae)
- *Ostertagia lyrata* (only adults)
- *Haemonchus placei*
- *Trichostrongylus axei*
- *Trichostrongylus colubriformis*
- *Cooperia sp.* (including inhibited L4 larvae)
- *Cooperia oncophora*
- *Cooperia punctata*
- *Cooperia pectinata*
- *Cooperia surnabada*
- *Bunostomum phlebotomum*
- *Nematodirus helvetianus*
- *Oesophagostomum radiatum*
- *Oesophagostomum sp.* (only adults)
- *Trichuris discolor* (only adults)



LUNGWORMS

- *Dictyocaulus viviparus* (adults and L4)

NEMATOCIDE PERSISTENT ACTIVITY

ELIVEC is a nematocide with persistent efficacy against some gastrointestinal nematodes, preventing reinfestation for 14 - 28 days after treatment.

ECTOPARASITES



HORN FLIES

- *Haematobia irritans*



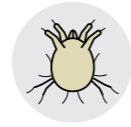
BITING LICE

- *Damalinia bovis*



SUCKING LICE

- *Linognathus vituli*
- *Haematopinus eurysternus*
- *Solenopotes capillatus*



MANGE MITES

- *Chorioptes bovis*
- *Sarcoptes scabiei* var. *Bovis*

14 days protection	
<i>Nematodirus helvetianus</i>	
21 days protection	
<i>Trichostrongylus axei</i>	
28 days protection	
<i>Dictyocaulus viviparus</i>	<i>Ostertagia ostertagi</i>
<i>Cooperia oncophora</i>	<i>Oesophagostomum radiatum</i>
<i>Cooperia punctata</i>	<i>Haemonchus placei</i>
<i>Cooperia surnabada</i>	



STAYS IN SKIN FOR LONGER

ELIVEC has an oil content of more than 90% giving it much greater adhesive properties and making it impervious to rain, with **more adherence to the skin**.¹

Other eprinomectins have formulations which are adversely affected by humidity and rain, resulting in a much reduced contact time.

DOSAGE

1 ml / 10 kg b.w., topically
Single treatment



WITHDRAWAL PERIOD = 0 HOURS IN MILK

Its pharmacokinetic properties allow a withdrawal period of **0 hours in milk**, making **ELIVEC** a suitable product for parasite control in dairy cows at any stage of lactation.

WITHDRAWAL PERIOD

Meat and offal
15 days

Milk
0 hours

LIVISTO encourages the rational use of parasiticides in order to minimise drug resistance and reduce adverse environmental effects. A targeted parasite control programme using the appropriate product at the correct time will reduce clinical disease and minimise production losses.