

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS

FOR ANIMAL TREATMENT ONLY



Pour-On for Beef and Dairy Cattle

**Active Constituent:** 5 mg/mL EPRINOMECTIN

For the treatment and control of gastrointestinal roundworms (including inhibited immature *Ostertagia ostertagi*), lungworm, sucking and biting lice, sarcoptic and chorioptic mange mites and buffalo fly in beef and dairy cattle and for the treatment and control of gastrointestinal roundworms and lungworm in deer.

**INDICATIONS:**  
IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle applied at the recommended dose volume of 1 mL/10 kg liveweight to achieve a dose rate of 500 µg eprinomectin/kg is indicated as follows for the effective treatment and control of harmful internal parasites, lice, mites, buffalo fly and ticks.

IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle contains eprinomectin, a member of the macrocyclic lactone family of drenches. It is effective against eprinomectin-sensitive strains of the following internal parasites. Resistance can develop to any drench.

PARASITES	Inhibited		
	Adults	Immatures	L4
<b>Gastrointestinal Roundworms:</b>			
<i>Ostertagia ostertagi</i>	•	•	•
- small brown stomach worm			
<i>O. lyrata</i>	•		
- brown stomach worm			
<i>Ostertagia</i> spp.	•	•	
<i>Haemonchus placei</i>	•	•	
- barber's pole worm			
<i>Trichostrongylus axei</i>	•	•	
- stomach hair worm			
<i>T. colubriformis</i>	•	•	
- intestinal hair worm			
<i>Trichostrongylus</i> spp.	•	•	
<i>Cooperia</i> spp.	•	•	•
- small intestinal worm			
<i>C. oncophora</i>	•	•	
<i>C. pectinata</i>	•	•	
<i>C. punctata</i>	•	•	
<i>C. surnabada</i>	•	•	
<i>Oesophagostomum radiatum</i>	•	•	
- nodule worm			
<i>Oesophagostomum</i> spp.	•	•	
<i>Nematodirus helvetianus</i>	•	•	
- thin necked intestinal worm			
<i>Bunostomum phlebotomum</i>	•	•	
- hook worm			
<i>Trichuris</i> spp.	•		
- whip worm			
<b>Lungworm:</b>			
<i>Dictyocaulus viviparus</i>	•	•	
<b>Sucking and Biting Lice:</b>			
<i>Linognathus vituli</i>		<i>Haematopinus eurytERNUS</i>	
<i>Bovicola (Damalinia) bovis</i>		<i>Solenopotes capillatus</i>	
<b>Mites:</b>			
<i>Chorioptes bovis</i>		<i>Sarcoptes scabiei</i> var. <i>bovis</i>	
<b>Buffalo Fly:</b>			
<i>Haematobia irritans exigua</i>			

When used as directed, IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle also aids in control of:

**Tick Tattle:**  
*Boophilus microplus*  
(Not recommended for use in strategic tick control programs.)

**PERSISTENT ACTIVITY IN CATTLE:**  
IVOMEC EPRINEX Pour-On when given at the recommended dosage of 1 mL/10 kg liveweight controls infections with:

Parasite*	Prolonged Activity
<i>Ostertagia</i> spp.	Up to 28 days
<i>Cooperia</i> spp.	Up to 28 days
<i>Dictyocaulus viviparus</i>	28 days
<i>Nematodirus helvetianus</i>	Up to 28 days
<i>Oesophagostomum radiatum</i>	Up to 28 days
<i>Haemonchus placei</i>	21 days
<i>Trichostrongylus</i> spp.	21 days

\*The following parasite species are included within each of the relevant genera: *Ostertagia ostertagi*, *O. leptospicularus*, *O. lyrata*, *Cooperia oncophora*, *C. punctata*, *C. surnabada*, *Trichostrongylus axei*, *T. colubriformis*.

DEER:		
PARASITES	Adults	L4
<b>Gastrointestinal Roundworms:</b>		
<i>Ostertagia</i> - type spp.*	•	
<i>Trichostrongylus</i> spp.	•	•
<i>Mazamastrongylus</i> spp.	•	
<i>Oesophagostomum</i> spp.	•	
*Includes <i>O. mossi/dikmansi</i> , <i>O. lyrata</i> , <i>O. leptospicularis</i> <i>Spiculopteria spiculoptera</i> , <i>Sp. asymmetrica</i> and <i>Apteragia quadrispiculata</i> .		

\*Includes *O. mossi/dikmansii*, *O. lyrata*, *O. leptospicularis*, *Spiculoptera spiculoptera*, *Sp. asymmetrica* and *Aptergia quadrisciculata*.

<b>Lungworms:</b>			
<i>Dictyocaulus viviparus</i>	•		•

For best results IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle should be part of a total parasite control program including internal and external parasites. Resistance may develop to any drench. Consult your veterinarian for a complete parasite control program.

**DIRECTIONS FOR USE:**  
**Precautions**  
Close container when not in use. Do not apply to areas of the backline covered with mud or manure. This product is for application to skin surface only, do not give orally or by injection.

**Dosage and administration**  
A representative sample of animals should be weighed with either scales or a weighband. Dose the mob according to the heaviest animal by liveweight in the group (cows, bulls, calves, heifers, hinds, stags, fawns, etc). Do not underdose. Where there is a large variation in size within the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing. For external use only.

This product is formulated only for pour-on application to cattle and deer; do not use in other species. The formulation should be applied along the topline in a narrow strip extending from the withers to the tailhead. The dose rate is 1 mL for each 10 kg of liveweight.

Liveweight (kg)	Dose Volume (mL)	Doses per Pack				
		250 mL	1L	2.5L	5L	20L
Up to 50	5	50	200	500	1000	4000
51-75	7.5	33	133	333	666	2666
76-100	10	25	100	250	500	2000
101-125	12.5	20	80	200	400	1600
126-150	15	16	66	166	333	1333
151-175	17.5	14	57	142	285	1142
176-200	20	12	50	125	250	1000
201-250	25	10	40	100	200	800
251-300	30	8	33	83	166	666
301-350	35	7	28	71	142	571
351-400	40	6	25	62	125	500
401-450	45	5	22	55	111	444
451-500	50	5	20	50	100	400
501-550	55	4	18	45	90	363
551-600	60	4	16	41	83	333
601-650	65	3	15	38	76	307

Heavier animals (for example, mature bulls) should receive an additional 5 mL for each 50 kg over 650 kg. Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

275mm deep

**GENERAL DIRECTIONS:**  
**Squeeze-Measure-Pour System (250 mL and 1 Litre pack)**

- Attach the metering cup to the bottle.
- Set the dose by turning the top section of the cup to align the correct liveweight with the pointer on the knurled cap. When liveweight is between markings, use the higher setting.
- Hold the bottle upright and squeeze it to deliver a slight excess of the required dose as indicated by the calibration lines.
- By releasing the pressure, the dose automatically adjusts to the correct level. For the 1 Litre bottle: when a 100 kg (10 mL) or 150 kg (15 mL) dose is required, turn the point to “STOP” before delivering the dose. The off (STOP) position will close the system between dosing. Tilt the bottle to deliver the dose.
- Bottles should remain upright during storage.

**2.5 Litre and 5 Litre Collapsible Packs**  
Connect the dosing gun to the pack as follows:

- Attach the open end of the draw-off tubing to an appropriate dosing applicator. Attach draw-off tubing to the cap with the stem that is included in the pack.
- Replace the shipping cap with the cap that has the draw-off tubing and tighten this cap.
- Gently prime the dosing applicator, checking for leaks.
- Follow the dosing applicator manufacturer's directions for adjusting the dose and proper use and maintenance of the equipment.

**20 Litre Pack**

- Replace the shipping cap with the dip tube assembly.
- Attach the draw-off tubing to the dosing applicator and to the top stem on the dip tube cap.
- Gently prime the dosing applicator checking for leaks.
- Follow the dosing applicator manufacturer's directions for adjusting the dose and proper use and maintenance of the equipment.

**PRODUCT DESCRIPTION:**  
IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle delivers internal and external parasite control in one low volume application. IVOMEC EPRINEX contains eprinomectin, a unique chemical entity. Its convenience, broad-spectrum efficacy in a weatherproof formulation, and wide margin of safety in all ages, classes and breeds of cattle makes it an excellent product for parasite control in both beef and dairy cattle (including lactating dairy cattle) and in deer.

**MODE OF ACTION:**  
Eprinomectin 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.

**PACKAGE INFORMATION:**  
IVOMEC EPRINEX Pour-On for Beef and Dairy Cattle is available in five pack sizes - 250 mL, 1 Litre, 2.5 Litre, 5 Litre and 20 Litre.

The 250 mL bottle uses a squeeze-measure-pour cap dispenser. Each bottle contains sufficient solution to treat 10 head of 250 kg cattle or 25 head of 100 kg deer.

The 1 Litre bottle uses a squeeze-measure-pour cap dispenser. Each bottle contains sufficient solution to treat 40 head of 250 kg cattle or 100 head of 100 kg deer.

The 2.5 Litre pack is a soft, collapsible pack designed to use with an automatic dosing applicator. Each pack contains sufficient solution to treat 100 head of 250 kg cattle or 250 head of 100 kg deer.

The 5 Litre pack is a soft, collapsible pack designed to use with an automatic dosing applicator. Each pack contains sufficient solution to treat 200 head of 250 kg cattle or 500 head of 100 kg deer.

The 20 Litre pack is a hard plastic drum designed for use with an automatic dosing applicator. Each drum contains sufficient solution to treat 800 head of 250 kg cattle or 2000 head of 100 kg deer.

**SAFETY:**  
Studies have demonstrated a wide safety margin. Five times the recommended use level had no adverse effect on cattle or deer. Three times the recommended use level had no adverse effect on breeding performance of cows and bulls.

**NOTE TO USER:**  
Rainfall before or after treatment will not affect the efficacy of IVOMEC EPRINEX Pour-On.

**WITHHOLDING PERIODS:**  
**CATTLE MILK: NIL.**  
**There is no milk withholding period for lactating dairy cattle.**

**CATTLE MEAT/DEER MEAT: NIL.**  
**There is no meat withholding period for slaughter of cattle and deer.**

**TRADE ADVICE**  
**As the standards that are applied for eprinomectin in overseas markets are similar to those approved in Australia, the export slaughter interval (ESI) is the same as the withholding period i.e. EXPORT SLAUGHTER INTERVAL: NIL.**

**SAFETY DIRECTIONS:**  
Poisonous if swallowed. Will irritate the eyes. Avoid contact with eyes. Repeated exposure may cause allergic disorders. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**FIRST AID:**  
If poisoning occurs, contact a doctor or Poisons Information Centre, phone Australia 131126.

**ADDITIONAL USER SAFETY INFORMATION**  
For further information, refer to the Safety Data Sheet.

**ENVIRONMENTAL PROTECTION:**  
Studies indicate that when eprinomectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Containers and any residual contents should be disposed of safely in an approved landfill as free eprinomectin may adversely affect fish and certain water-borne organisms.

**DISPOSAL:**  
Triple or (preferably) pressure rinse IVOMEC EPRINEX Pour-On containers and dispose of rinsate in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Return clean container for recycling where this is an option or for disposal at a landfill authorised to accept that waste. If not available, bury the containers below 500 mm in the disposal pit. Empty containers and product should not be burnt. Very highly toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.

**STORAGE:**  
Store below 30°C (Room Temperature).  
Store bottle or pack in carton to protect from light.

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APVMA Approval No.'s:	49105/250mL/0605 49105/1L/0605 49105/2.5L/0605 49105/5L/0605 49105/20L/0605
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