

ANTIPARASITIC

FOR ANIMAL USE ONLY



Reg. No. G2588 (Act 36/1947)

INJECTABLE SOLUTION FOR CATTLE, SHEEP AND PIGS

OXPECKER COMPATIBLE

CAUTION

■ STORAGE INSTRUCTIONS

Store at room temperature below 30 °C, away from sunlight

■ COMPOSITION

Ivermectin ..... 1 % m/v

■ WARNINGS

- Do not use in lactating cattle or sheep where milk or milk products are used for human consumption.
- Do not use in dairy cattle within 28 days before calving where milk and milk products are intended for human consumption.
- Cattle and sheep must not be slaughtered for human consumption within 21 days of last treatment.
- Pigs must not be slaughtered for human consumption within 14 days of last treatment.
- Do not administer intravenously in cattle, sheep and pigs. Do not administer intramuscularly in sheep.
- Keep out of reach of children, uninformed persons and animals.
- Although this remedy has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

■ PRECAUTIONS

- Do not re-use empty bottles.
- Refrain from smoking and eating while handling the product.
- Wash hands thoroughly after use.
- Vaccination of cattle against *Clostridium* infections (e.g. black quarter) is strongly recommended.
- Sheep should be vaccinated against pulpy kidney (enterotoxaemia) before treatment.
- Store bottle in carton to protect from sunlight.
- Drug containers and any residual contents should be

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disposed of safely (e.g. by burying or incinerating), as free ivermectin may adversely affect fish and certain water-borne organisms.

- Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time.
- NB.** 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 have disappeared without treatment.

■ DIRECTIONS FOR USE

Use only as directed

Do not use intravenously. VIRBAMEC can be given subcutaneously in cattle, sheep and pigs or intramuscularly in cattle and pigs. Do not dilute or mix with any other substances.

Use of a 2 cm, no.16 gauge needle is recommended. Use sterile equipment and follow aseptic procedures. The solution may be administered with any standard automatic or single-dose equipment.

**Cattle:** Inject subcutaneously or intramuscularly at 1 ml per 50 kg body mass. Inject subcutaneously under the loose skin in front of or behind the shoulder, or intramuscularly. Appropriate vaccination precautions should be taken in areas where the risk of clostridial infections such as black quarter (spionssiekte) and malignant oedema are present.

**Sheep:** Inject subcutaneously only at 1ml per 50 kg body mass. The loose skin of the sheep behind the shoulder is an acceptable site. Other administration sites are the skin under the foreleg (axilla) and the inside of the thigh. Ensure that the needle is carefully inserted and that the solution does not leak from the injection site. In wool sheep, ensure that the needle has penetrated the wool and skin before the dose is delivered.

**Sheep scab:** Sheep scab is a notifiable disease and treatment of suspected or confirmed outbreaks must be under government supervision. Proper management practices must be applied to ensure that all animals on the farm are treated correctly during a sheep scab outbreak. One treatment of VIRBAMEC at a dose of 1 ml per 50 kg body mass by subcutaneous injection will eliminate the infestation. However, where adequate management and supervision are not possible during treatment, a second dose is necessary after 7 days.

**Sheep scab in Namibia:** Even though this remedy is registered in South Africa for only one treatment, the law in Namibia states that two treatments, 7 days apart, are obligatory in the event of a sheep scab outbreak.

**Pigs:** Administer to pigs subcutaneously or intramuscularly in the neck.

■ DOSAGE TABLE

Body mass (kg)	Dose (ml)	
	CATTLE	PIGS
<b>CATTLE AND PIGS</b>		
Up to 50	1	1,5
51 – 100	2	3,0
101 – 150	3	4,5
151 – 200	4	6,0
201 – 250	5	7,5
251 – 300	6	9,0
301 – 350	7	10,5
351 – 400	8	12,0
401 – 450, etc.	9	13,5
<b>SHEEP</b>		
Up to 25	0,5	
26 – 50	1,0	
51 – 75	1,5	
76 – 100, etc.	2,0	

VIRBAMEC can be used in breeding animals.

**Instructions for use with automatic injection equipment**

Sterilise all equipment before use by boiling in clean water for 15 to 20 minutes. Boiled needles should be stored in an antiseptic solution prior to use and changed frequently when injecting animals. Remove the draw-off assembly from the sterile pack. Handle carefully to avoid contamination. Connect plastic tube firmly to dosing syringe.

Use stepped adaptor provided if required. Remove cap from bottle and disinfect rubber stopper with methylated spirits or other suitable chemical disinfectant. Hold bottle upright and fully insert draw-off needle into centre of rubber stopper. Secure firmly with screw-on cap attached to the tube.

Hang bottle comfortably in inverted position from neck, shoulder or belt. Use attachment tapes provided. Gently prime injector. Equipment is now ready for use. After use, remove draw-off assembly from pack and flush out entire apparatus with water before storing. If the connecting tube is re-used, it should be boiled for 15 to 20 minutes prior to use, along with the syringe and needles. Store partly used bottle in carton to protect from sunlight.

■ EFFICACY

1. Internal Parasites

For the treatment of gastro-intestinal roundworms in cattle and sheep.

**Cattle**

**Roundworms:**

VIRBAMEC controls the following:

	Immatures	Adult	Persistency
Wireworm	*	*	14 days
Brown Stomachworm	*	*	21 days
Bankruptworm	*	*	14 days
Hookworm	*	*	-
Nodular Worm	*	*	21 days
Lungworm	*	*	21 days
Eyeworm	-	*	-

Definition: \* Control (≥ 90 % effective)

VIRBAMEC aids in control of the following:

	Immatures	Adult
Parafilaria		**

Definition: \*\* Aids in control of (60 – 89 % effective)

**Sheep**

**Roundworms:**

VIRBAMEC controls the following:

	Immatures	Adult
Wireworm	*	*
Brown Stomachworm	*	*
Bankruptworm	*	*
Hookworm	*	*
Nodular Worm	*	*
Large-mouthed Bowelworm	*	*
Lungworm	*	*

Definition: \* Control (≥ 90 % effective)

**Recommendation: Roundworms and lungworms**

Treatment with VIRBAMEC in sheep in the late autumn will remove residual summer roundworm burdens as well as first infestations of those roundworm species stimulated by cooler weather conditions. The spring 'off-shears' treatment will remove roundworm burdens which have built up during the winter and early spring infestations stimulated by the first rains. This will contribute to reducing the contamination of 'clean' summer grazing.

VIRBAMEC aids in control of the following:

	Immatures	Adult
Long-necked Bankruptworm	**	

Definition: \*\* Aids in control of (60 – 89 % effective)

**2. External Parasites**

**Cattle**

Kills sucking lice, biting lice and mange mites. Controls sandtampans infesting cattle for up to 3 days after treatment. Kills cattle screw-worms present at time of injection. Protects against screw-worm strikes for 2 weeks after administration. Controls blue ticks (*Rhipicephalus* spp.) on cattle. For the control of blue ticks, treatment must be repeated every 21 days.

**Sheep**

Kills sheep scab mites. Controls Australian itch mites.

**Pigs**

Kills mange mites.

**Note:** VIRBAMEC has a persistent drug level sufficient to control mite infestations throughout the duration of the life cycle. However, since the effect is not immediate, care must be taken to prevent reinfestation from exposure to untreated animals or contaminated facilities. Generally, pigs should be moved to clean quarters and not be exposed to infested pigs for approximately one week after treatment. Sows should be treated at least one week before farrowing to minimise transfer of mites to newborn pigs.

**3. Nasal worm**

**Sheep**

Highly effective against all stages (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> instar larvae).

**Recommendation:**

An autumn treatment with VIRBAMEC in sheep will kill third larval stages of nasal worm and a spring treatment will offset new infestations of this parasite.

■ PRESENTATION

500 ml and 1 L polyethylene bottles

■ REGISTRATION HOLDER

VIRBAC RSA (Pty) Ltd  
(Reg. No. 1990/003743/07)  
Private Bag X115  
Halfway House  
1685  
South Africa  
Tel: +27 12 657 6000

\* Macrocylic Lactones