

Virbac

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FOR ANIMAL USE ONLY

Zeramec®
Reg. No. G3660 (Act 36/1947)

ENDECTABOLIC AGENT
Injectable Solution for Cattle

CAUTION

■ INDICATIONS

Zeramec is a non-steroidal anabolic and antiparasitic injectable solution for use in cattle in intensive beef production systems. It results in improved body mass and feed conversion, and is an antiparasitic agent with a broad spectrum of action.

Zeramec is indicated where an increase in mass gain is desired by controlling parasite burden and increasing feed conversion in young steers and heifers not intended for breeding, and cattle of all ages under pasture and feedlot conditions. Replacement heifers should be treated between 1 and 7 months of age.

■ STORAGE INSTRUCTIONS

Store at room temperature below 30 °C. Protect from light.

■ COMPOSITION

Ivermectin 1 % m/v
Zeranol 1 % m/v

■ WARNINGS

- Do not use in breeding animals.
- Due to the presence of 1 % ivermectin, cattle must not be slaughtered for human consumption within 28 days of treatment.
- Do not use in animals younger than 45 days of age.
- Do not administer intravenously or intramuscularly.
- 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, eating and drinking while handling the product.
- Wash hands thoroughly after use.
- Vaccination of cattle against clostridial infections (e.g. black quarter) is strongly recommended.
- Store bottle in supplied canister to protect from light.
- Drug containers and any residual contents should be disposed of safely (eg. by burying or incinerating), as free ivermectin may adversely affect fish and certain water-borne organisms.
- Studies indicate that where ivermectin comes into contact with the soil, it readily and tightly binds to the soil, becoming inactive over time.

■ DIRECTIONS FOR USE - Use only as directed

Cattle

Administer Zeramec by subcutaneous injection under the loose skin in front of the shoulder, at a dose of 1 ml per 50 kg body mass. This is equivalent to 200 µg ivermectin and 200 µg zeranol per kilogram body mass. Where repeated treatment is required, a minimum treatment interval of two months is recommended. Appropriate vaccination precautions should be taken in areas where the risk of clostridial infections of cattle such as black quarter (sponssiekte) and malignant oedema are present.

DOSAGE TABLE

Body mass (kg)	Dose (ml)
25	0,5
50	1,0
100	2,0
150	3,0
200	4,0
250	5,0
300	6,0
350	7,0
400	8,0
450	9,0
500	10,0

Do not dilute or mix with any other substances. The use of a 2,0 cm 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.

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 before use and changed frequently when injecting animals. Remove the draw-off assembly from the sterile pack. Handle carefully to avoid contamination. Connect the plastic tube firmly to dosing syringe. Use stepped adaptor provided if needed. 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. 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 before use along with the injecting syringe and needles. Store partly used bottle in canister provided to protect from light.

■ EFFICACY

- Zeramec has an anabolic action and is used as a growth promoter for improving mass gain and feed conversion while reducing parasite burden in cattle in extensive beef production systems.
- Internal parasites**
For the treatment of gastro-intestinal roundworms in cattle.

Roundworm Species

Zeramec controls the following:

	Imma- tures	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)

Zeramec aids in the control of the following:

	Immatures	Adult
<i>Parafilaria</i>		**

Definition: ** Aids in the control of (60 - 89 % effective)

3. External Parasites

Kills sucking lice and mange mites. Controls sand tamps 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 (*Boophilus* spp.) on cattle. For control of blue ticks treatment must be repeated every 21 days.

■ PRESENTATION

50 ml and 250 ml bottles.

■ REGISTRATION HOLDER

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