

# Ivermax<sup>†</sup>

Reg. No. G3910 Act 36/1947  
NSO V13/18.1.8/1185 Act 13/20

## Metabolic

FOR ANIMAL USE ONLY

### IVERMAX METABOLIC ①†

1% Injectable Solution + Vitamin B12, Minerals and Amino acids

#### CAUTION

#### COMPOSITION

##### Active ingredient:

Ivermectin 1% m/v

##### Vitamin content m℥

Vitamin B12 0,1 mg

##### Mineral content per m℥

Zinc salt 0,43 mg equivalent to 0,17 mg zinc

Magnesium salt 6,5mg equivalent to 1,7 mg magnesium

Copper salt 0,04 mg equivalent to 0,02 mg copper

Magnesium hypophosphite 26,7 mg equivalent to 8 mg phosphite

Potassium iodide 0,3 mg equivalent to 0,07 mg potassium and 0,23 mg iodine

##### Amino acids content per m℥

Histidine HCl 4,2 mg

Valine 4,2 mg

Arginine HCl 5,1 mg

Methionine 4,2 mg

Threonine 5 mg

Sodium monobasic glutamate 8,4 mg

Excipients to 1 m℥

#### INDICATIONS

ANTIPARASITIC REMEDY WITH SUPPLEMENTS FOR CATTLE

#### STORAGE INSTRUCTIONS

Store below 25 °C away from sunlight.

#### WARNINGS

- Do not use intramuscularly or intravenously.
- DO NOT SLAUGHTER CATTLE FOR HUMAN CONSUMPTION WITHIN 21 DAYS OF LAST TREATMENT.
- DO NOT USE IN DAIRY CATTLE WITHIN 28 DAYS OF CALVING.
- DO NOT USE IN LACTATING CATTLE WHERE MILK OR MILK PRODUCTS ARE USED FOR HUMAN CONSUMPTION.
- 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 eat, drink or smoke while handling the product.
- Store bottle in carton to protect from light.
- Wash hands thoroughly after use.
- Temporary discomfort has been observed in animals following subcutaneous injection. The pain reaction is sometimes intense, but usually transient. A low incidence of soft tissue swelling at the injection site has been observed. These reactions have disappeared without treatment.
- Appropriate vaccination precautions should be taken in areas where the risk of Clostridial infections of cattle and sheep are present. Consult your veterinarian.

#### EFFICACY

**Internal parasites:** for the treatment of gastro-intestinal roundworms, *Parafilaria bovicola* (false bruising) and eye worm (*Thelazia*).

IVERMAX METABOLIC is effective against the following internal parasites of cattle when given subcutaneously at the recommended dose of 200 µg/kg body mass.

Cattle Roundworms	Immature	Adult	* Controls against re-infestation for
Wireworm	*	*	14 days
Brown stomachworm	*	*	21 days
Cattle Bankruptworm	*	*	14 days
Hookworm	*	*	
Nodular worm	*	*	21 days
Lungworm	*	*	21 days
<i>Thelazia</i> (Eyeworm)	*		
<i>Parafilaria bovicola</i> (false bruising)	** (An interval of 70 days must elapse after treatment to allow lesions to heal)		

\* Control = ≥ 90 % effective

\*\* Aid in Control = 60 – 89 % effective

#### External parasites:

- Controls blue ticks (*Rhipicephalus decoloratus* and *Rhipicephalus microplus*) on cattle for 28 days.

#### DIRECTIONS FOR USE – USE ONLY AS DIRECTED

SHAKE WELL BEFORE AND DURING USE.

#### DOSAGE:

IVERMAX METABOLIC for cattle should be given only by subcutaneous injection at the approved dosage level of 200 µg ivermectin per kilogram of body mass. Each m℥ contains 10 mg of ivermectin, sufficient to treat 50 kg of body mass. Inject cattle every 3 months.

Body mass (kg)	Dose volume (m℥)	Body mass (kg)	Dose volume (m℥)
Up to 50	1	301 - 350	7
51 - 100	2	351 - 400	8
101 - 150	3	401 - 450	9
151 - 200	4	451 - 500	10
201 - 250	5	501 - 550	11
251 - 300	6	551 - 600	12

**Administration:** IVERMAX METABOLIC is to be given by subcutaneous injection only. Do not administer intramuscularly or intravenously. In cattle inject under the loose skin in front of or behind the shoulder. Use of a 16-gauge 2,0 cm needle is suggested. Use sterile equipment and follow aseptic procedures.

#### Instructions for use with automatic dosing equipment:

- Disinfect all needles and syringes before using 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.
- 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 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 carton to protect from light.
- Do not re-use empty bottles.

#### ENVIRONMENTAL SAFETY:

Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Drug containers and any residual contents should be disposed of safely e.g. by burying or incinerating, as free ivermectin may adversely affect fish and certain water-borne organisms.

† Macrocyclic lactone



Botswana Listing No.: BV2100244  
Category of Distribution: VPS

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