



ZEROMEC™ GOLD (IVERMECTIN AND CLORSULON) BROAD SPECTRUM ANTIPARASITIC INJECTION FOR CATTLE

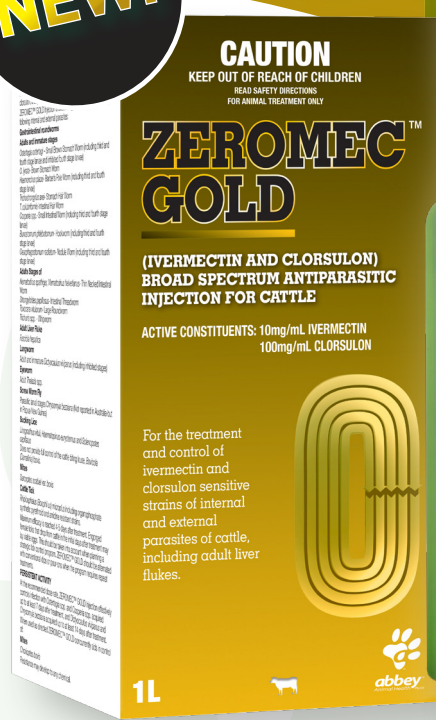
ACTIVE CONSTITUENTS: 10mg/mL IVERMECTIN, 100mg/mL CLORSULON

The GOLD standard in parasite control

For the treatment and control of ivermectin and clorsulon sensitive strains of internal and external parasites of cattle, including adult liver fluke.

- 🌿 Broad spectrum control of internal and external parasites
- 🌿 Low volume injection
- 🌿 Persistent protection against reinfection of important worm species
- 🌿 Wide safety margin
- 🌿 Pack sizes available: 500mL, 1L

NEW!



	ZEROMEC™ GOLD	IVOMEK® PLUS
Active Constituents	10mg/mL IVERMECTIN, 100mg/mL CLORSULON	10mg/mL IVERMECTIN, 100mg/mL CLORSULON
Species	Cattle	Cattle
Dose Rate	1mL/50kg	1mL/50kg
Route of Administration	SC Injection	SC Injection
Withholding periods		
Meat	28 days	28 days
Milk	Nil	Nil
ESI	42 days	42 days

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ZEROMETM GOLD (IVERMECTIN AND CLORSULON)

BROAD SPECTRUM ANTIPARASITIC INJECTION FOR CATTLE

ACTIVE CONSTITUENTS: 10mg/mL IVERMECTIN, 100mg/mL CLORSULON



For the treatment and control of ivermectin and clorsulon sensitive strains of internal and external parasites of cattle, including adult liver flukes.

INDICATIONS

ZEROMETM GOLD Injection contains ivermectin, a member of the macrocyclic lactone family of chemicals, which is effective against internal and external parasites sensitive to this family. It also contains clorsulon, a sulphonamide, which controls adult liver fluke.

ZEROMETM GOLD Injection is effective against sensitive strains of the following internal and external parasites:

Gastrointestinal Roundworms

Adults and Immature

Ostertagia ostertagi - Small Brown Stomach Worm (Including third and fourth stage larvae and inhibited fourth stage larvae)

O. lyrata - Brown Stomach Worm

Haemonchus placei - Barber's Pole Worm (including third and fourth stage larvae)

Trichostrongylus axei - Stomach Hair Worm

T. colubriformis - Intestinal Hair Worm

Cooperia spp. - Small Intestinal Worm (including third and fourth stage larvae)

Bunostomum phlebotomum - Hookworm (including third and fourth stage larvae)

Oesophagostomum radiatum - Nodule Worm (including third and fourth stage larvae)

Adults of

Nematodirus spathiger, *Nematodirus helvetianus* - Thin Necked Intestinal Worm

Strongyloides papillosus - Intestinal Thread Worm

Toxocara vitulorum - Large Roundworm

Trichuris spp. - Whipworm

Adult Liver Fluke

Fasciola hepatica

Lungworm

Adult and immature *Dictyocaulus viviparus* (including inhibited stages)

Eyeworms

Adult *Thelazia* spp.

Screw Worm Fly

Parasitic larval stages *Chrysomya bezziana* (Not reported in Australia - but in Papua New Guinea)

Sucking Lice

Linognathus vituli, *Haematopinus eurysternus* and *Solenopotes capillatus*

Does not provide full control of the cattle biting louse, *Bovicola (Damalinia) bovis*.

Mites

Sarcoptes scabiei var. *bovis*

Cattle Tick

Rhipicephalus (Boophilus) microplus including organophosphate synthetic pyrethroid and amidine resistant strains.

Maximum efficacy is reached 4-5 days after treatment. Engorged female ticks that drop from cattle in the initial days after treatment may lay viable eggs.

This should be taken into account when planning a strategic tick control program. ZEROMETM GOLD should be alternated with conventional dips or pour-ons when the program requires repeat treatments.

PERSISTENT ACTIVITY

At the recommended dose rate, ZEROMETM GOLD Injection effectively controls infection with *Ostertagia* spp. and *Cooperia* spp. acquired up to at least 7 days after treatment, and *Dictyocaulus viviparus* and *Chrysomya bezziana* acquired up to at least 14 days after treatment.

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When used as directed for control of internal parasites of cattle, ZEROMETM GOLD concurrently aids in control of:

Mites

Chorioptes bovis

Resistance may develop to any chemical.

DIRECTIONS FOR USE

Restraint

Re-treatment interval: DO NOT re-treat animals for 28 days after last treatment.

DOSAGE AND ADMINISTRATION

ZEROMETM GOLD Injection is to be given subcutaneously only.

The recommended dose is 1mL/50kg body weight (equivalent to 0.2mg ivermectin and 2mg clorsulon per kg body weight).

Inject under loose skin high on the neck, behind the ear in an area away from the more valuable carcass muscle. Loose skin on the neck in front of the shoulder is also a suitable site. This product is not to be used intravenously or intramuscularly.

Bodyweight (kg)	Dose volume (mL)	Treatments per Pack	
		500mL	1L
Up to 100	2	250	500
101-150	3	166	333
151-200	4	125	250
201-250	5	100	200
251-300	6	83	166
301-350	7	71	142
351-400	8	62	125
401-450	9	55	111
451-500	10	50	100
501-550	11	45	90
551-600	12	41	83
601-650	13	38	76

Cattle heavier than 650kg should be dosed at 1mL per 50kg. A representative sample of animals should be weighed before treatment either with scales or a weighband. Dose rate to be based on heaviest cattle in each group (bulls, cows, steers, calves, etc.). Do not underdose. Where there is a large variation in size within the group, draft into two or more lines based on body weight, to avoid excessive overdosing.

General Directions

INTRODUCTION

ZEROMETM GOLD is an injectable parasiticide for cattle. One low-volume dose effectively kills internal parasites (including adult liver fluke) and external parasites that impair the health and productivity of cattle. The convenience and broad-spectrum efficacy of ZEROMETM GOLD make it an ideal product for effective parasite control.

PRODUCT DESCRIPTION

ZEROMETM GOLD is a ready-to-use, sterile solution of ivermectin and clorsulon. Ivermectin is derived from the avermectins, a family of potent broad-spectrum antiparasitic agents which are isolated from fermentation of the naturally occurring soil-organism *Streptomyces avermitilis*. Ivermectin is effective

against both internal and external parasites sensitive to this family. Clorsulon is for the treatment of adult liver fluke.

ZEROMETM GOLD is formulated to deliver the recommended dosage level of 0.2mg ivermectin and 2 mg clorsulon per kg body weight when given subcutaneously at the rate of 1mL/50kg body weight.

USING ZEROMETM GOLD FOR BEST RESULTS

Treatment with ZEROMETM GOLD generally should be timed to use its anti-parasitic properties to prevent the development or buildup of parasitic infections.

Resistance may develop to any chemical. For detailed advice on a program parasite control you should consult your veterinarian.

PRODUCT ADVANTAGES

Low-volume injection

- The low-volume dosage level of ZEROMETM GOLD makes it convenient for use with most syringes or automatic injectors. ZEROMETM GOLD reduces the need for separate drenching, dipping and spraying operations common in the past, to control liver fluke and certain external parasites.

Broad Spectrum

- ZEROMETM GOLD provides broad-spectrum efficacy against roundworms, adult liver flukes, lungworm, eyeworm, sucking lice, mites and cattle tick.

Safety

- Studies have demonstrated a wide margin of safety. Pregnant and breeding cattle may be treated provided normal care is taken in handling.

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIODS

MEAT: DO NOT USE less than 28 days before slaughter for human consumption.

MILK: ZERO (0) days. There is a NIL milk withholding period for lactating dairy cattle.

TRADE ADVICE

EXPORT SLAUGHTER INTERVAL (ESI): DO NOT USE less than 42 days before slaughter for export. The ESI on this label was correct at the time of label approval. Before using this product, confirm the current ESI from Abbey Animal Health Pty Ltd on 02 8088 0720 or the APVMA website.

SAFETY DIRECTIONS

Poisonous if swallowed. Avoid contact with eyes and skin and clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. For further information, refer to Safety Data Sheet.

ENVIRONMENTAL PROTECTION

Ivermectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.

DISPOSAL

Dispose of empty container by wrapping with paper and putting in garbage.

STORAGE

Store below 30°C (Room Temperature). Store bottle in carton to protect from light.

APVMA Approval Number: 86228/115056