FOR ANIMAL USE ONLY

CLOSECO 7,5 % Injectable Solution

Reg. No. G3440 Act 36/1947

INDICATIONS
Liver Fluke and Roundworm remedy for cattle with residual action against re-infestation of Wireworm, Hookworm and Nodular worm.

COMPOSITION
Closantel 7,5 % m/v

STORAGE INSTRUCTIONS
Store in a cool place.

WARNINGS
- NOT FOR USE IN MILK COWS IF MILK IS INTENDED FOR HUMAN CONSUMPTION.
- ALLOW 30 DAYS BETWEEN LAST INJECTION AND SLAUGHTER FOR HUMAN CONSUMPTION.
- Handle with care. Poisonous by swallowing and inhalation.
- 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
- Prevent contamination of food, food utensils, etc.
- Wash hands thoroughly after use.
- Use sterile injection apparatus. As for all injections a sharp sterile needle should be used for each animal.
- Do not inject animals whilst their coats are wet (e.g. after dipping) due to the risk of infection at the injection site.
- A transient swelling may occur at the injection site in some individual animals.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED
Administration
Can be used in all classes of cattle, irrespective of age, diet, condition, pregnancy, sex, breed or normal management practices.
By subcutaneous injection at the side of the neck or by intramuscular injection in any large muscle group using a 15 – 16 G needle 2,5 cm in length.
Do not exceed 20 mℓ per injection site.
Dosage
- **Standard dose:** 1 mℓ/30 kg body mass, e.g.:

Body mass (kg)	30	60	90	150	180
Dose (mℓ)	1,0	2,0	3,0	5,0	6,0
No. of doses in 500 mℓ	500	250	166	100	83

Body mass (kg)	30	60	90	120	150	180
Dose (mℓ)	1,0	2,0	3,0	4,0	5,0	6,0
No. of doses in 1 ℓ	1 000	500	333	250	200	166

Body mass (kg)	30	60	90	120	150	180
Dose (mℓ)	1,0	2,0	3,0	4,0	5,0	6,0
No. of doses in 5 ℓ	5 000	2 500	1 666	1 250	1 000	833

Body mass (kg)	30	60	90	120	150	180

Dose (mℓ)	1,0	2,0	3,0	4,0	5,0	6,0
No. of doses in 10 ℓ	10 000	5 000	3 333	2 500	2 000	1 666

- **Double dose :** When a higher efficacy against internal parasites is indicated, a dose of 1 mℓ/15 kg body mass can be administered, e.g.:

Body mass (kg)	30	60	90	150	180
Dose (mℓ)	2,0	4,0	6,0	10,0	12,0
No. of doses in 500 mℓ	250	125	83	50	41

Body mass (kg)	30	60	90	120	150	180
Dose (mℓ)	2,0	4,0	6,0	8,0	10,0	12,0
No. of doses in 1ℓ	500	250	166	125	100	83

Body mass (kg)	30	60	90	120	150	180
Dose (mℓ)	2,0	4,0	6,0	8,0	10,0	12,0
No. of doses in 5 ℓ	2 500	1 250	833	625	500	416

Body mass (kg)	30	60	90	120	150	180
Dose (mℓ)	2,0	4,0	6,0	8,0	10,0	12,0
No. of doses in 10 ℓ	5 000	2 500	1 666	1 250	1 000	833

Efficacy

- **Standard dose:** 1 mℓ/30 kg body mass:

Liver Flukes			
Liver fluke (*F. hepatica*)	4 weeks **	6 weeks **	Adult *
Giant liver fluke (*F. gigantica*)	6 weeks **	8 weeks **	Adult *

Roundworms	**Immature**	**Adult**
Wireworm (*Haemonchus* spp.)	*	*
Hookworm (*Gaigeria* spp.)	-	*
Nodular worm (*Oesophagostomum* spp.)	*	*

Residual efficacy	**Interval between treatment and re-infestation**
Wireworm (*Haemonchus* spp.)	3 weeks

* Control = ≥ 90 % effective
** Aids in Control = 60 – 89 % effective

Efficacy

- **Double dose:** 1mℓ/15 kg body mass:

Liver Flukes			
Liver fluke (*F. hepatica*)	4 weeks **	6 weeks **	Adult *
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Roundworms	**Immature**	**Adult**
Wireworm (*Haemonchus* spp.)	*	*
Hookworm (*Gaigeria* spp.)	*	*
Nodular worm (*Oesophagostomum* spp.)	*	*

Days where "control" is achieved		
Wireworm	**Hookworm**	**Nodularworm**
42 days	21 days	21 days

* Control = ≥ 90 % effective
** Aids in Control = 60 – 89 % effective

The list contains the more important endoparasite species. This anthelmintic may also be effective against other species. For more information consult your veterinarian.

Presentation: 500 ml

Registration holder:
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