For Veterinary Use Only.

KanaPrim®

Solution for Injection

Veterinary Antiprotozoal

COMPOSITION:

Kanaprim Solution for Injection is a transparent, colorless or lifeless straw solution comprising 120 mg imidocarb dipropionate equivalent to 85 mg imidocarb per ml.

PHARMACOLOGICAL PROPERTIES:

Kanaprim Solution for Injection is a antiprotozoal used in therapies for Babesiosis and Anaplasmosis. Imıdocarb dipropionate is a derivative from carbanilid antiprotozoal. Although mechanism of action of imidocarb is not known exactly, it is assumed to be based on preventing cellular recovery and replication by being bound to DNA after blocking poliamine use or inositole entry into erythrocide. Imıdocarb is efficient against infections formed by Babesia spp. and Anaplasma spp.

When administering imidocarb at 2.5 mg / kg dose, its level in blood would be highest after 30 minutes. In sheep imidocarb peak level which is 10.8 |jg/ml subsequent to 2 mg / kg intravenous administration declines to 1.9 ug/ml within 1 hour. Oral LD50 dose of imidocarb on shelfs is 660-1290 mg/kg. Excretion in target species is mainly through urination and 10% through gaita, and it is bonded to proteins substantially.

AREA OF USE / INDICATIONS:

Kanaprim Solution for Injection is used as antiprotozoal in therapy for and protection from Babesiosis in horse, sheep, donkey, mule and dogs, and Babesiosis and Anaplasmosis diseases in cattle. It is efficient against protozoals below in animal species.

Parasite species on which it is efficient are as follows:

In cattle;	Babesia bovis, B. bigemina, Anaplasma marginale;
In horses;	B. caballi ve B. equli;
In donkey and mules;	B. caballi;
In dogs;	B. canis;
In sheep;	B. ovis

USAGE AND DOSAGE:

It is **administered through INTRAMUSCULAR injection in cattle, horse, donkey, mule and sheep and through subcutaneous injection in dogs** unless recommended otherwise by veterinary. Because imidocarb dose volume is very small for little animals including sheep and dogs an injection syringe calibrated with 0.1 ml sections should be used. Avoid exceeding the recommended dose. Pharmacological dose of imidocarb dipropianate is ranged between 1.2 - 6 mg / kg live weight in terms of administration purpose and animal species.

Animal Species	Protozoal Species	Kanaprim treatment dose and mode of administration	Kanaprim sterilization dose and mode of administration	Kanaprim protection dose and mode of administration
Cattle :	B. bovis	1ml/100 kg	2 ml/100 kg	2.5ml/100 kg
	B. bigemina	1ml/100 kg	2 ml/100 kg	2.5ml/100 kg
	A. marginale	2,5 ml/100 kg	-	2.5 ml/100 kg
Sheep	B. ovis	0,1 ml/10 kg	-	
Horse	B. equi	2 doses of 2 ml / 100 kg at 48 hour intervals	4 doses of 4 ml / 100 kg at 72 hour intervals	2.0 ml/100 kg
	B. caballi	2 ml/100 kg	2 doses of 2 ml / 100 kg at 24 hour intervals	2.0ml/100 kg
In donkey and mules;	B. caballi	2 ml/100 kg	2 doses of 2 ml / 100 kg at 24 hour intervals	2.0 ml/100 kg
Dog	B. canis	0,25 - 0,5 ml/10 kg	-	0.5 ml/10 kg

SPECIFIC CLINICAL INFORMATION AND SPECIAL WARNINGS FOR INTENDED SPECIES:

Imıdocarb may be used for protection from Babesia spp. and Anaplasma marginale infections for 4 to 6 weeks. Thus imidocarb is to be administered before sensitive animals enter into an endemic area. Imidocarb level in animal gets decreased in time, while animal is protected by drug, it allows a little number of parasite in order to make infection recognized. Result is immunity development against disease before clinical signs appear. However when imidocarb level gets decreased animal would be sensitive to infection.

Imidocarb protects animals against Babesiosis and Anaplasmosis when passing through an endemic area. A few times ectoparasite medicine should be administered to check herd for ticks in order to decline contagion risk.

Sterilization for B.caballi infections in horses may be provided by Kanaprim Solution for Injection. But success rate in sterilization for B. equi infections is around 60%. Second injection against relapses is to be executed at least 6 weeks after first injection.

Second injection against Babesiosis relapses is to be executed at least 7 days after first injection **in sheep**. Do not exceed the recommended dosage. When exceeding the recommended dosage in sheep some cholinergic symptoms may occur. Drug could be administered in therapy for Anaplosmosis formed by Babesiosis and A. marginale formed by B.bovis and B. bigemina, and in protection for 4-6 weeks.

UNDESIRED/SIDE EFFECTS

Mild cholinergic signs may be observed in animals. Those are temporary. But dogs should be kept under observation for 15 minutes.

DRUG INTERACTIONS:

As its organic phosphoric compounds it should not be used along with cholinesterase inhibitors, pesticides, and similar chemicals.

SYMPTOMS OF OVERDOSE, PRECAUTIONS AND ANTIDOTE:

In overdose situation some symptoms like poisoning by cholinesterase inhibitors, including salivation, muscle vibration, tremors, ataxia, convulsions, urination and defecation are observed. 20 mg / kg and higher doses in cattle, and 8 mg / kg and higher doses in horses may cause toxic effects on liver and kidneys. Its antidote is atropine. It is administered along with symptomatic therapy.

WARNINGS ON DRUG RESIDUES IN FOOD:

Withholding Period (WHP): Cattle should not be sent for slaughtering during treatment and before 28 day, and sheep also should not be sent to be slaughtered during treatment and before 21 days after the last drug administration, and their flesh should not be offered for human consumption. Any milk acquired during treatment or within 4 days (8 milking) after stopping its use should not be offered for human consumption.

CONTRAINDICATIONS:

Avoid intravenous administration. Do not use in animals with lung, liver and kidney disfunctionalities.

Use during pregnancy: It could be administered at recommended dosage in pregnant cattle and horses. It is not known enough considering dog and sheeps.

GENERAL WARNINGS:

Consult your veterinary surgeon before using and in case an unexpected effect is observed. Keep out of reach of children. Keep away from food products.

PRECAUTIONS TO BE TAKEN BY THE USER AND WARNINGS FOR VETERINARY SURGEONS:

In case of swallowing wash your mouth with water, in case of eye contact, keep your eyes open, and wash them for 15 minutes immediately. In case of skin contact remove your contaminated cloths, and wash your contacted skin with water and soap. In case of breathing the medicine, breath fresh air, wash your mouth and nose with water if needed. Consult your physician in all of those cases above.

STORAGE CONDITIONS AND SHELF LIFE: Shelf life is 24 months as of the production date. Keep in its package at between 2-25℃. Protect from light. After you open, keep it at between 2-8℃, and use within 28 days.

DISPOSAL AFTER USE AND WARNINGS FOR NON-TARGET SPECIES: Toss paper-enwrapped bottle out.

COMMERCIAL PRESENTATION FORM: Presented to the market as 20, 50 and 100 ml amber vials in cardboard boxes.

PLACE AND CONDITIONS OF SALE: Sold with Veterinary Surgeon's prescription in pharmacies and veterinary surgeries (VSP).

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NAME AND ADDRESS OF MARKETING AUTHORIZATION OWNER:

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