For Veterinary Use Only.

Eforjin®

Solution for Injection
Veterinary Non-Steroid Anti-inflammatory

COMPOSITION:

Eforjin Solution for Injection is a clear, colorless or light cream colored, odorless, viscous solution containing 500 mg metamizol (dipyrone) per each ml.

PHARMACOLOGICAL PROPERTIES:

Metamizol which is one of the non-steroid anti-inflammatory drugs is a derivative of pyrazolone. Its mechanism of action is based on blocking the synthesis of prostaglandin by inhibiting cyclooxygenase enzyme. It is readily and quickly adsorbed through the administration area. It acts as an analgesic by means of affecting the pain spots in CNS and increasing the pain threshold. It decreases fever by increasing heat loss and affecting the autonomous nerve system and acts as an anti-spasm on the smooth muscles by stimulating the autonomous centres. It shows it anti-inflammatory effect by decreasing the vascular permeability in the inflamed area and providing the quick absorption of the local fluid content. The plasma half life of metamizol is very short and its metabolites do not bind to plasma proteins. The majority of the administered dose is excreted through urine as its metabolites. It does not have any harmful of side effects over heart, kidney or other organs.

AREA OF USE / INDICATIONS:

Eforjin Solution for Injection is administered to cattle, horses and dogs for rheumatism, acute and chronic polyarthritis, tendinitis and tendovaginitis as an antirheumatismal; for inflammatory diseases as an antipyretic; for all kinds of aches as an analgesic and for intestine, stomach and rumen pains (distention) and colitis, labour pains and post-natal pains, tetanus, prolapsus, cervix uteri and oesophagus spasms, resolution of tetanic and renal colics and post-operative pains as antispasmodic.

USAGE AND DOSAGE:

Metamizol is used as per the calculation of 20 - 40 mg/kg c.a. in cattle; 20 -60 mg / kg c.a. in horses and 50-100 mgAg c.a. in dogs. Unless recommended otherwise by the Veterinary surgeon, Eforjin solution for Injection is administered intramuscularly and slow intravenously (IV).

Horse : 20-60 ml/500 kg C.A.
Cattle : 20-40 ml/500 kg C.A.
Steer-Foal : 10-20 ml/250 kg C.A.
Calf : 5-10 ml/125 kg C.A.
Dog : 1-2 ml/ 10kg C.A.

The same dose may be repeated 1-2 times a day with an interval of 8 hours, if required. (convulsion seizures may be seen in case of administration with frequent intervals)

UNDESIRED/SIDE EFFECTS

In case of long-term administration of metamizol, agranulocytosis and leucopenia may develop. It should not be used in animals with unhealthy bone marrow and hematopoiesis. It may cause nausea and vomiting in carnivorous animals even at treatment doses. Due to its effects over CNS and cardiovascular system overdoses should be avoided during treatments and it should be administered with special attention in animals with cardiovascular disorders. Since it suppresses the formation of prothrombin the tendency of bleeding increases during metagine application. It may lead to diarrhoea, numbness, euphoria, nervosity, haematuria and walking disorders and hypersensitivity, ulcerous mouth inflammation, liver and kidney inflammation in serum diseases.

DRUG INTERACTIONS:

As barbiturate derivates and anaesthetics as phenilbutazone may cause hypothermia it should not be used concurrently with chlorpromazine hydrochloride. Administration with anti-inflammatory drugs having the same properties may lead to the exacerbation of undesired side effects. It should not be used together with salicylates (acetyl salicylic acid).

SYMPTOMS OF OVERDOSE, PRECAUTIONS AND ANTIDOTE:

Overdose may lead to convulsive seizures. It has no specific antidote. Symptomatic treatment is applied.

WARNINGS ON DRUG RESIDUES IN FOOD:

Withholding Period (WHP): Meat type cattle should not be sent for slaughtering during treatment and for 12 days following the final drug administration. It shall not be administered to cows from which milk is produced for human consumption.

CONTRAINDICATIONS:

In case of long-term application it leads to stomach irritation and ulceration in digestive tract, and to the reduction of water and salt within the body due to the decrement of prostaglandin synthesis. It should not be administered to animals with serious liver and kidney damages. It is not recommended to be administered in cats due to the micromosal enzyme deficiency functioning for metabolizing the molecule.

SPECIFIC CLINICAL INFORMATION AND SPECIAL WARNINGS FOR INTENDED SPECIES:

Avoid using in race horses in 5 days prior to and 5 days following the race. Use during pregnancy: The fact that it may cause respiratory depression in foetus by passing through placenta should taken into consideration.
GENERAL WARNINGS: Consult your Veterinary Surgeon before using and in case an undesired effect is observed. Keep out of reach of children. The unused packages should be disposed of in waste baskets.

STORAGE CONDITIONS AND SHELF LIFE: Store below 25℃ and protect from light. Shelf life is 4 years as of the production date.

COMMERCIAL PRESENTATION FORM: Offered for sale in 20, 50, 100ml amber vials in cardboard box packages and in 250ml amber vials in plastic boxes.

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

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MINISTRY OF AGRICULTURE AND RURAL AFFAIRS MARKETING AUTHORIZATION DATE AND NO:
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NAME AND ADDRESS OF MARKETING AUTHORIZATION OWNER:

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