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Allevinix® 50 mg/ml solution for injection for cattle, pigs and horses (GB)

Species:Cattle, Horses only, Pigs

Therapeutic indication:Pharmaceuticals: Anti-inflammatory preparations: Injections: NSAIDs

Active ingredient:Flunixin Meglumine

Product:Allevinix® 50 mg/ml solution for injection for cattle, pigs and horses

Product index:Allevinix

Cattle - milk:IV: 24 hours, IM: 36 hours

Cattle - meat:IV: 10 days, IM: 31 days

Pig - meat:20 days

Withdrawal notes:Horses:

Meat and Offal:10 days

Milk: the product is not authorised for use in lactating animals producing milk for human consumption.

Incorporating:

Qualitative and quantitative composition

Active substance:

Flunixin..... 50 mg

(as meglumine)

Excipients:

Phenol 5 mg

Sodium formaldehyde sulfoxylate..... 2.5 mg

Disodium edetate..... 0.1 mg

For the full list of excipients, see pharmaceutical particulars

Pharmaceutical form

Solution for injection. Colourless to pale yellow solution, clear and practically free from particles

Clinical particulars

Target species

Cattle, pigs and horses.

Indications for use, specifying the target species

Cattle:

-Alleviation of clinical signs of respiratory disease when used concurrently with appropriate anti-infective therapy.

Pigs:

-To support appropriate antibiotic therapy in the treatment of Mastitis-Metritis-Agalactia syndrome.

-Alleviation of fever associated with respiratory disease when used in conjunction with specific antibiotic therapy.

Horses:

-Alleviation of inflammation and pain associated with musculo-skeletal disorders.

-Alleviation of visceral pain associated with colic.

Contraindications

Do not use in animals suffering from chronic musculo-skeletal disorders.

Do not use in animals suffering from cardiac, hepatic or renal disease.

Do not use in animals with gastro-intestinal lesions (gastro-intestinal ulceration or bleeding).

Do not use in case of haemorrhagic disorders.

Do not use in case of hypersensitivity to flunixin meglumine, other NSAIDs or any of the excipients.

Do not use in animals suffering from colic caused by ileus and associated with dehydration.

Do not use the product within 48 hours before expected parturition in cows. In such cases an increase in the number of stillbirths has been observed.

Do not exceed the stated dose or the duration of treatment

See also section Use in pregnancy, lactation or lay.

Special warnings for each target species

The underlying cause of the inflammatory condition or colic must be determined and treated with appropriate concomitant therapy.

Special precautions for use

Special precautions for use in animals

Use in any animal less than 6 weeks of age (cattle and horses) or in aged animals may involve additional risk. If such use cannot be avoided, animals may require a reduced dosage and careful clinical management.

It is preferable that NSAIDs which inhibit prostaglandin synthesis are not administered to animals undergoing general anaesthesia until fully recovered.

Avoid use in any dehydrated, hypovolaemic or hypotensive animal except in the case of endotoxaemia or septic shock.

In rare cases, shock (potentially fatal), may occur after intravenous injection, due to a high quantity of propylene glycol in the veterinary medicinal product. The veterinary medicinal product must be injected slowly and at body temperature. Stop injection at the first signs of intolerance and treat for shock if necessary.

Due to its anti-inflammatory properties, flunixin may mask clinical signs and therefore possible resistance to antibiotic treatment.

NSAIDs are known to have the potential to delay parturition through a tocolytic effect by inhibiting prostaglandins that are important in signalling the initiation of parturition. The use of the veterinary medicinal product in the immediate post-partum period may interfere with uterine involution and expulsion of fetal membranes resulting in retained placentae.

Flunixin is toxic to avian scavengers. Do not administer to animals susceptible to enter wild fauna food chain. In case of death or sacrifice of treated animals, ensure that they are not made available to wild fauna

See also section Use in pregnancy, lactation or lay.

Special precautions to be taken by the person administering the veterinary medicinal product to animals

Flunixin meglumine is a non-steroidal anti-inflammatory drug (NSAID). The veterinary medicinal product may cause an allergic reaction in people sensitised to NSAIDs. People with known hypersensitivity to NSAIDs should avoid contact with the product.

Hypersensitivity reactions may be serious.

This veterinary medicinal product may cause skin and eye irritation.

Avoid contact with skin or eyes.

In case of skin contact, wash exposed area with soap and plenty of water. If symptoms persist, seek medical advice.

In case of contact with the eyes, wash eyes thoroughly with clean water and seek medical advice.

Avoid risk of ingestion, do not eat or drink when using the veterinary medicinal product and wash hands after use. In case of ingestion of the veterinary medicinal product seek medical advice.

In case of accidental self-injection, seek medical advice immediately and show the package leaflet or the label to the physician.

Wash hands after use.

Special precautions for the protection of the environment:

Not applicable

Adverse reactions (frequency and seriousness)

Cattle:

Rare

Anaphylaxis (with collapse)¹, death¹

(1 to 10 animals / 10,000 animals treated):

Very rare

Bleeding², gastrointestinal irritation², gastrointestinal function impairment²

(<1 animal / 10,000 animals treated, including isolated reports):

Undetermined frequency

Renal and hepatic disorders⁴

(cannot be estimated from the available data)

Delayed parturition⁵, increase of stillbirths⁵

1 mainly during rapid intravenous injection

2 mainly in dehydrated or hypovolaemic animals

3 following intramuscular injection

4 idiosyncratic effects, as with other non-steroidal anti-inflammatory drugs

5 through a tocolytic effect by inhibiting prostaglandins that are important in signalling the initiation of parturition

6 in cases of the use of the veterinary medicinal product in the immediate post-partum period

Horses:

Rare	Anaphylaxis (with collapse)1, death1
(1 to 10 animals / 10,000 animals treated):	
Very rare	Bleeding2 , gastrointestinal irritation2 , gastric ulcer function impairment2
(<1 animal / 10,000 animals treated, including isolated reports):	
Undetermined frequency	Renal and hepatic disorders3
(cannot be estimated from the available data)	Delayed parturition4, increase of stillbirths4, retained
1 mainly during rapid intravenous injection	
2 mainly in dehydrated or hypovolaemic animals	
3 idiosyncratic effects, as with other non-steroidal anti-inflammatory drugs	
4 through a tocolytic effect by inhibiting prostaglandins that are important in signalling the initiation of parturition	
5 in cases of the use of the veterinary medicinal product in the immediate post-partum period	

Pigs:

Very rare	Bleeding1 , gastrointestinal irritation1 , gas function impairment1
(<1 animal / 10,000 animals treated, including isolated reports):	
Undetermined frequency	Renal and hepatic disorders2
(cannot be estimated from the available data)	Delayed parturition3, increase of stillbirths
1 mainly in dehydrated or hypovolaemic animals	
2 idiosyncratic effects, as with other non-steroidal anti-inflammatory drugs	
3 through a tocolytic effect by inhibiting prostaglandins that are important in signalling the initiation of parturition	
4 in cases of the use of the veterinary medicinal product in the immediate post-partum period	

In case of untowards effects stop treatment and seek medical advice.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or its local representative or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

Use during pregnancy, lactation or lay

Studies in laboratory animals have produced evidence of foetotoxicity from flunixin after oral administration (rabbit and rat) and intramuscular administration (rat) at maternotoxic doses as well as an increase in the gestation period (rat).

The safety of flunixin has not been assessed in pregnant mares, breeding stallions and bulls. Do not use in these animals.

The safety of flunixin was demonstrated in pregnant cows and sows, as well as boars. The product may be used in these animals except within the 48 hours preceding parturition (see sections Contraindications and Adverse reactions).

The product should only be administered within the first 36 hours post-partum following a benefit/risk assessment performed by the responsible veterinarian, and treated animals should be monitored for retained placentae.

Interaction with other medicinal products and other forms of interaction

Do not administer other NSAIDs concurrently or within 24 hours of each other, as it may increase the toxicity, mainly gastro-intestinal, even with low doses of acetylsalicylic acid.

The concurrent administration of corticoids may increase toxicity of the two products and increase the risk of gastro-intestinal ulceration. It should therefore be avoided.

Flunixin may reduce the effect of some anti-hypertensive medicinal products, such as diuretics, Angiotensin Conversion Enzyme (ACE) inhibitors, and beta blockers, by inhibition of prostaglandin synthesis.

Concurrent administration of potentially nephrotoxic drugs, particularly aminoglycosides, should be avoided.

Flunixin may reduce renal elimination of some drugs and increase their toxicity, such as aminoglycosides for example.

Amounts to be administered and administration route

Cattle: intramuscular and intravenous uses

Pigs: intramuscular use

Horses: intravenous use

The bodyweight should be accurately determined before the administration

Cattle:

2 mg of flunixin per kg bodyweight, equivalent to 2 ml of solution per 50 kg bodyweight, administered once daily by intravenous or intramuscular injection for 1 to 3 consecutive days.

Volumes greater than 20 ml should be divided and administered at least at 2 different injection sites.

Pigs:

To support appropriate antibiotic therapy in the treatment of Mastitis-Metritis-Agalactia syndrome:

2 mg of flunixin per kg bodyweight, equivalent to 2 ml of solution per 50 kg bodyweight, administered once daily for 1 to 3 consecutive days.

Alleviation of fever associated with respiratory diseases:

2 mg of flunixin per kg bodyweight, equivalent to 2 ml of solution per 50 kg bodyweight, administered once daily.

Maximum dosage volume per injection site should not exceed 5 ml. Volumes greater than 5 ml should be divided and administered at different injection sites

Horses:

Alleviation of inflammation and pain associated with musculo-skeletal disorders: 1 mg of flunixin per kg bodyweight, equivalent to 1 ml of solution per 50 kg bodyweight, administered once daily for 1 to 5 consecutive days.

Alleviation of visceral pain associated with colic:

1 mg of flunixin per kg bodyweight, equivalent to 1 ml of solution per 50 kg bodyweight, administered once daily. Treatment may be repeated once or twice if colic recurs.

The cap can be broached up to 10 times. When treating large groups of animals at one time, use an automatic dosing device.

Overdose (symptoms, emergency procedures, antidotes), if necessary

Overdose is associated with gastrointestinal toxicity. Signs of ataxia and incoordination may also appear.

In horses, following 3 times the recommended dose (3 mg/kg bodyweight) administered by the intravenous route, a transient increase in blood pressure may be observed.

In cattle, administration of 3 times the recommended dose (6 mg/kg bodyweight) administered by the intravenous route did not induce untoward effects.

In pigs, following a dose of 2 mg flunixin/kg, administered twice a day, painful reactions at the injection site and an increase in the number of leucocytes was reported.

Withdrawal period(s)

Cattle:

Meat and offal: 10 days (IV route) / 31 days (IM route).

Milk: 24 hours (IV route) / 36 hours (IM route).

Pigs:

Meat and offal: 20 days.

Horses:

Meat and offal: 10 days.

Milk: the product is not authorised for use in lactating animals producing milk for human consumption.

Pharmacological particulars

Pharmacotherapeutic group: Anti-inflammatory and anti-rheumatic products, non steroids - Fenamates. ATCvet code: QM01AG90

Pharmacodynamic properties

Flunixin (as meglumine) demonstrates potent inhibition of the cyclo-oxygenase system (COX). The enzyme converts arachidonic acid to unstable cyclic endoperoxides, which are converted to prostaglandins, prostacyclin and thromboxane. Some of these prostanoids, such as prostaglandins are mediators for inflammation, pain and fever. The inhibition of the synthesis of such components would be responsible for the therapeutic effects of flunixin meglumine.

Since prostaglandins also play a part in other physiological processes, COX inhibitors may be responsible for some untoward effects such as gastrointestinal and renal damage.

Prostaglandins are involved in the complex process of endotoxaemic shock

Pharmacokinetic particulars

In cattle, after intramuscular injection at a dose of 2 mg/kg, a maximum concentration of 2.5 µg/ml is observed approximately 30 minutes after injection.

After intravenous injection flunixin distributes rapidly. The elimination is slow (approximately 4 hours).

Flunixin is highly bound to plasma proteins (>99%).

In pigs, after intramuscular injection at a dose of 2 mg/kg, a maximum concentration of 4 µg/ml is observed approximately 30 minutes after injection.

After intravenous injection flunixin distributes rapidly. The elimination is slow (approximately 8 hours).

Flunixin is highly bound to plasma proteins (>98%).

In the horse, after intravenous injection at a dose of 1 mg/kg flunixin distributes rapidly. The elimination half-life is 1.6 hours.

Flunixin is eliminated mainly via the kidneys as conjuguated form.

Environmental properties

Flunixin is toxic to avian scavengers although foreseen low exposure leads to low risk.

Pharmaceutical particulars

List of excipients

Phenol

Sodium formaldehyde sulfoxylate

Disodium edetate

Sodium hydroxide

Propylene glycol

Dilute hydrochloric acid for pH-adjustment

Water for injection

Major incompatibilities

In the absence of compatibility studies, this veterinary medicinal product must not be mixed with other veterinary medicinal products..

Shelf life

Shelf-life of the veterinary medicinal product as packaged for sale in a glass bottle: 3 years

Shelf-life after first opening the immediate packaging: 28 days

Special precautions for storage

Do not store above 25°C after first opening the immediate packaging.

Nature and composition of immediate packaging

50, 100 or 250 ml colourless Type II glass vial sealed with chlorobutyl rubber stoppers and a flip-off cap on top of an aluminium crimp seal.

50, 100 or 250 ml translucent PP/Ethylene vinyl alcohol/PP multi-layer plastic vials with bromobutyl rubber stopper with aluminium cap.

1 vial per cardboard box. Not all pack sizes may be marketed.

Special precautions for the disposal of unused veterinary medicinal products or waste materials derived from the use of such products

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal product should be disposed of in accordance with local requirements. Medicines should not be disposed of via wastewater

NOAH Compendium

Marketing Authorisation Holder (if different from distributor)

Marketing Authorisation Number

Vm 14966/5001

Significant changes

Date of the first authorisation or date of renewal

16 April 2013

Date of revision of the text

August 2025

Any other information

Nil

Legal category

Legal category:POM-V

GTIN

GTIN description:Allevinix 100ml CLAS

GTIN:03411113039011

GTIN description:Allevinix 250 ml CLAS

GTIN:03411113039028