

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Allewinix 50 mg/ml solution for injection for cattle, horses, pigs

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each ml contains:

Active substance:

50 mg flunixin equivalent to 83 mg flunixin meglumine

Excipients:

Qualitative composition of excipients and other constituents	Quantitative composition if that information is essential for proper administration of the veterinary medicinal product
Phenol	5 mg
Sodium formaldehyde sulfoxylate	2.5 mg
Propylene glycol	207.2 mg
Disodium edetate	0.1 mg
Sodium hydroxide	
Dilute hydrochloric acid for pH-adjustment	
Water for injections	

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

3. CLINICAL INFORMATION

3.1 Target species

Cattle, horses, pigs.

3.2 Indications for use for each target species

Cattle:

Adjunctive therapy in the treatment of bovine respiratory diseases, endotoxemia and acute mastitis.

Alleviation of acute inflammation and pain associated with musculoskeletal disorders.

Reduction of post-operative pain associated with dehorning in calves of less than 9 weeks.

Horses:

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

Alleviation of visceral pain associated with colic.

Adjunctive therapy of endotoxemia due to or as a result of post-surgical or medical conditions or diseases that result in impaired blood circulation in the gastrointestinal tract.

Reduction of pyrexia.

Pigs:

Adjunctive therapy in the treatment of swine respiratory disease.

Adjunctive treatment of postpartum dysgalactia (Mastitis-Metritis-Agalactia) syndrome in sows.

Alleviation of acute inflammation and pain associated with musculoskeletal disorders. Reduction of post-operative pain following castration and tail docking in sucking piglets.

3.3 Contraindications

Do not use in animals suffering from cardiac, hepatic or renal disease or where there is the possibility of gastro-intestinal ulceration or bleeding.

Do not use if haematopoiesis or haemostasis is impaired. Do not use in cases of hypersensitivity to the active substance or any of the excipients.

Do not use in case of colic caused by ileus and associated with dehydration.

3.4 Special warnings

None

3.5 Special precautions for use

Special precautions for safe use in the target species:

Inject slowly as life threatening symptoms of shock can occur due to the content of propylene glycol.

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 foetal membranes resulting in retained placentae.

The veterinary medicinal product should have a temperature close to body temperature. Stop injection immediately after first symptoms of shock and start shock treatment if necessary.

Use of NSAID's in hypovolemic animals or animals with shock should be subject to a benefit-risk evaluation performed by the responsible veterinarian due to the risk of renal toxicity.

Use in very young (cattle, horses: less than 6 weeks old) as well as in old animals may involve additional risks. If such treatment cannot be avoided, careful clinical observation is indicated. The underlying cause of pain, inflammation or colic should be determined and, when appropriate, antibiotic or re-hydration therapy should be given concurrently.

NSAIDs can cause phagocytosis inhibition and, therefore, in the treatment of inflammatory states associated with bacterial infections, appropriate concurrent antimicrobial therapy should be established.

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

This veterinary medicinal product may cause hypersensitivity (allergy) reactions. People with known hypersensitivity to non-steroidal anti-inflammatory drugs such as flunixin and/or to propylene glycol should avoid contact with the veterinary medicinal product. In case of hypersensitivity reactions, seek medical advice immediately and show the package leaflet or the label to the physician.

This veterinary medicinal product may cause skin and eye irritation. Avoid contact with skin or eyes.

Wash hands after use.

In case of skin contact, wash affected area immediately with plenty of water.

In case of accidental eye contact, rinse eyes immediately with plenty of water.

If skin and /or eye irritation persists, seek medical advice immediately and show the package leaflet or the label to the physician.

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

Laboratory studies in rats with flunixin have shown evidence of foetotoxic effects. Pregnant women should use the veterinary medicinal product with serious caution to avoid accidental self-injection.

Special precautions for the protection of the environment:

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.

3.6 Adverse events

Cattle:

<p>Uncommon (1 to 10 animals / 1,000 animals treated):</p>	<p>Injection site reaction (such as injection site irritation and injection site swelling).</p>
<p>Rare (1 to 10 animals / 10,000 animals treated):</p>	<p>Liver disorder; Renal disorder (Nephropathy, Papillary necrosis)¹. Anaphylaxis (e.g. Anaphylactic shock, Hyperventilation, Convulsion, Collapse, Death)²;</p>
<p>Very rare (<1 animal / 10,000 animals treated, including isolated reports):</p>	<p>Ataxia²; Blood and lymphatic system disorder³, Haemorrhage; Digestive tract disorder (gastrointestinal irritation, gastrointestinal ulceration, digestive tract haemorrhage, nausea, blood in faeces, diarrhoea)¹; Delay of parturition⁴, stillbirth⁴, retained placenta⁵; Appetite loss.</p>

¹ Particularly in hypovolaemic and hypotensive animals.

² After intravenous administration. At the onset of the first symptoms, administration should be stopped immediately and, if necessary, anti-shock treatment should be started.

³ Blood count abnormalities.

⁴ By a tocolytic effect induced by inhibition of the synthesis of prostaglandins, responsible for the initiation of parturition.

⁵ If the product is used in the period following parturition.

Horses:

<p>Uncommon (1 to 10 animals / 1,000 animals treated):</p>	<p>Injection site reaction (such as injection site irritation and injection site swelling).</p>
<p>Rare (1 to 10 animals / 10,000 animals treated):</p>	<p>Liver disorder; Renal disorder (Nephropathy, Papillary necrosis)¹. Anaphylaxis (e.g. Anaphylactic shock, Hyperventilation, Convulsion, Collapse, Death)²;</p>
<p>Very rare (<1 animal / 10,000 animals treated, including isolated reports):</p>	<p>Ataxia²; Blood and lymphatic system disorder³, Haemorrhage; Digestive tract disorder (gastrointestinal irritation, gastrointestinal ulceration, digestive tract haemorrhage, nausea, blood in faeces, diarrhoea)¹; Delay of parturition⁴, stillbirth⁴, retained placenta⁵; Excitation⁶; Muscle weakness⁶; Appetite loss.</p>

¹ Particularly in hypovolaemic and hypotensive animals.

² After intravenous administration. At the onset of the first symptoms, administration should be stopped immediately and, if necessary, anti-shock treatment should be started.

³ Blood count abnormalities.

⁴ By a tocolytic effect induced by inhibition of the synthesis of prostaglandins, responsible for the initiation of parturition.

⁵ If the product is used in the period following parturition.

⁶ May occur through accidental intra-arterial injection.

Pigs:

<p>Uncommon (1 to 10 animals / 1,000 animals treated):</p>	<p>Injection site reaction (such as injection site skin discolouration, injection site pain, injection site irritation and injection site swelling)¹.</p>
<p>Rare (1 to 10 animals / 10,000 animals treated):</p>	<p>Liver disorder; Renal disorder (Nephropathy, Papillary necrosis)².</p>
<p>Very rare (<1 animal / 10,000 animals treated, including isolated reports):</p>	<p>Anaphylaxis (e.g. Anaphylactic shock, Hyperventilation, Convulsion, Collapse, Death)³; Ataxia³; Blood and lymphatic system disorder⁴, Haemorrhage; Digestive tract disorder (gastrointestinal irritation, gastrointestinal ulceration, digestive tract haemorrhage, vomiting, nausea, blood in faeces, diarrhoea)²; Delay of parturition⁵, stillbirth⁵, retained placenta⁶; Appetite loss.</p>

¹ Resolves spontaneously within 14 days.

² Particularly in hypovolaemic and hypotensive animals.

³ After intravenous administration. At the onset of the first symptoms, administration should be stopped immediately and, if necessary, anti-shock treatment should be started.

⁴ Blood count abnormalities.

⁵ By a tocolytic effect induced by inhibition of the synthesis of prostaglandins, responsible for the initiation of parturition.

⁶ If the product is used in the period following parturition.

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 the national competent authority via the national reporting system. See the package leaflet for respective contact details.

3.7 Use during pregnancy, lactation or lay

Pregnancy:

The safety of the veterinary medicinal product has been established in pregnant cows and sows. Do not use the veterinary medicinal product within 48 hours before expected parturition in cows and sows.

The safety of the veterinary medicinal product has not been established in pregnant mares. Do not use during the whole of the pregnancy.

Laboratory studies in rats have revealed fetotoxicity of flunixin after intramuscular administration at maternotoxic doses as well as an extension of the gestation period.

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

Fertility:

The safety of the veterinary medicinal product has not been established in bulls, stallions and boars intended for breeding. Do not use in breeding bulls, breeding stallions and breeding boars.

3.8 Interaction with other medicinal products and other forms of interaction

Do not administer other NSAIDs concurrently or within 24 hours of each other. Do not administer corticosteroids concurrently. Concurrent use of other NSAIDs or corticosteroids may increase the risk of gastro-intestinal ulceration.

Some NSAIDs may be highly bound to plasma proteins and compete with other highly bound drugs which can lead to toxic effects.

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

Concurrent administration of potentially nephrotoxic drugs(e.g., aminoglycoside antibiotics), should be avoided.

3.9 Administration routes and dosage

Cattle: intramuscular and intravenous uses

Horses: intravenous use

Pigs: intramuscular use

Cattle:

Adjunctive therapy in the treatment of bovine respiratory diseases, endotoxemia and acute mastitis and alleviation of acute inflammation and pain associated with musculoskeletal disorders

2.2 mg flunixin/kg bodyweight (2 ml per 45 kg) once daily via intramuscular or intravenous route. Repeat as necessary at 24-hour intervals for up to 3 consecutive days.

For intramuscular use, if dose volumes exceed 8 ml, it should be divided and injected into two or three sites. In case that more than three site are necessary, the intravenous route should be used.

Reduction of post-operative pain associated with dehorning in calves of less than 9 weeks

A single intravenous administration of 2.2 mg of flunixin per kg bodyweight (2 mL per 45 kg), 15-20 minutes before the procedure.

Horses:

Alleviation of acute inflammation and pain associated with musculoskeletal disorders and reduction of pyrexia

1.1 mg flunixin/kg bodyweight (1 ml per 45 kg) once daily for up to 5 days according to clinical response.

Alleviation of visceral pain associated with colic

1.1 mg flunixin/kg bodyweight (1 ml per 45 kg). Repeat once or twice if colic recurs.

Adjunctive therapy of endotoxemia due to or as a result of post-surgical or medical conditions or diseases that result in impaired blood circulation in the gastrointestinal tract

0.25 mg flunixin/kg bodyweight every 6-8 hours or 1.1 mg flunixin/kg bodyweight once daily for up to 5 consecutive days.

Pigs:

Adjunctive therapy in the treatment of swine respiratory disease, adjunctive treatment of postpartum dysgalactia (Mastitis-Metritis-Agalactia) syndrome in sows, alleviation of acute inflammation and pain associated with musculoskeletal disorders

2.2 mg flunixin/kg bodyweight (2 ml per 45 kg) once daily for up to 3 consecutive days. The injection volume should be limited to a maximum of 4 ml per injection site.

Reduction of post-operative pain following castration and tail docking in sucking piglets

A single administration of 2.2 mg of flunixin per kg bodyweight (0.2 mL per 4.5 kg), 15-30 minutes before the procedure.

Particular care should be taken with regard to the accuracy of dosing including the use of an appropriate dosing device and careful estimation of body weight.

To ensure a correct dosage, body weight should be determined as accurately as possible.

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

3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)

Overdose is associated with gastrointestinal toxicity. Ataxia and incoordination may also occur. In case of overdose, symptomatic treatment should be administered.

Cattle:

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

Horse:

Foals administered an overdose of 6.6 mg flunixin/kg bodyweight (i.e., 5X the recommended clinical dose) had more gastrointestinal ulceration, greater cecal pathology and cecal petechiation scores than control foals. Foals treated with 1.1 mg flunixin/kg bodyweight for 30 days intramuscularly, developed gastric ulceration, hypoproteinemia, and renal papillary necrosis. Renal crest necrosis was observed in 1 out of 4 horses treated with 1.1 mg flunixin/kg bodyweight for 12 days.

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.

Pigs:

Pigs treated with 11 or 22 mg flunixin/kg bodyweight (i.e., 5X or 10X the recommended clinical dose) had increased spleen weight. Discoloration at the injection sites that resolved over the time was observed with higher incidence or severity in pigs treated with higher doses.

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.

3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance

Not applicable.

3.12 Withdrawal periods

Cattle:

Meat and offal: 4 days (intravenous use).
31 days (intramuscular use).
Milk: 24 hours (intravenous use).
36 hours (intramuscular use).

Pigs:

Meat and offal: 24 days (intramuscular use).

Horses:

Meat and offal: 5 days (intravenous use).
Not authorised for use in animals producing milk for human consumption.

4. PHARMACOLOGICAL INFORMATION

4.1 ATCvet code:

QM01AG90

4.2 Pharmacodynamics

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

4.3 Pharmacokinetics

Following intravenous administration of flunixin meglumine to equines (horses and ponies) at a dose of 1.1 mg/kg, the drug kinetics fit a two-compartment model. It showed a rapid distribution (volume of distribution 0.16 l/kg), with a high proportion of binding to plasma proteins (greater than 99%). The elimination half-life was between 1 and 2 hours. An AUC_{0-15h} of 19.43 µg·h/ml was determined. The excretion took

place rapidly, mainly through the urine, reaching the maximum concentration therein 2 hours after administration.

After 12 hours of intravenous injection, 61% of the administered dose had been recovered in the urine.

In cattle, after administering a dose of 2.2 mg/kg intravenously, maximum plasma levels of between 15 and 18 µg/ml were obtained 5-10 minutes after injection. Between 2 and 4 hours later, a second plasma concentration peak was observed (possibly due to enterohepatic circulation), while at 24 hours the concentrations were less than 0.1 µg/ml. In cattle, after intramuscular administration of flunixin at a dose of 2 mg/kg, a maximum concentration is observed approximately 30 minutes after injection.

Flunixin meglumine is rapidly distributed into organs and body fluids (with high persistence in inflammatory exudate), with a volume of distribution between 0.7 and 2.3 l/kg. The elimination half-life was approximately 4 to 7 hours. Regarding excretion, this took place mainly through urine and feces. In milk, the drug was not detected, and in the cases where it was detected, the levels were negligible (<10 ng/ml).

In pigs, following intramuscular administration of 2.2 mg/kg flunixin meglumine, a maximum plasma concentration of about 3 µg/ml was detected approximately 20 minutes after injection.

The bioavailability, expressed as a fraction of the absorbed dose, was found to be 93%. The

Volume of distribution was 2 l/kg, while the elimination half-life was 3.6 hours. Excretion (most as unchanged drug) occurred primarily in the urine, although was also detected in the faeces.

Environmental properties

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

5. PHARMACEUTICAL PARTICULARS

5.1 Major incompatibilities

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

5.2 Shelf life

Shelf-life of the veterinary medicinal product as packaged for sale: 3 years

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

5.3 Special precautions for storage

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

5.4 Nature and composition of immediate packaging

Primary 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.

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

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

6. NAME OF THE MARKETING AUTHORISATION HOLDER

Ceva Sante Animale

7. MARKETING AUTHORISATION NUMBER

Vm 14966/5001

8. DATE OF FIRST AUTHORISATION

16 April 2013

9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS

November 2025

10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCT

Veterinary medicinal product subject to prescription.

Find more product information by searching for the 'Product Information Database'
on www.gov.uk.

Gavin Hall
Approved: 14 March 2026