

# ANIMELOXAN

## 20 mg/ml

Meloxicam solution for injection for cattle, pigs and horses



## DON'T LET THE FLAME BURN

### LESS GASTROINTESTINAL EFFECTS. SINGLE DOSE

#### Composition

One ml contains: Meloxicam 20 mg.

#### Pharmaceutical Form

Solution for injection. Clear, yellow solution.

#### Target species

Cattle, pig and horse.

#### Indications for use

**Cattle:** For use in acute respiratory infection with appropriate antibiotic therapy to reduce clinical signs in cattle.

For use in diarrhoea in combination with oral re-hydration therapy to reduce clinical signs in calves of over one week of age and young, non-lactating cattle. For adjunctive therapy in the treatment of acute mastitis, in combination with antibiotic therapy.

**Pigs:** For use in non-infectious locomotor disorders to reduce the symptoms of lameness and inflammation. For adjunctive therapy in the treatment of puerperal septicaemia and toxæmia (mastitis-metritis-agalactia syndrome) with appropriate antibiotic therapy.

**Horses:** For use in the alleviation of inflammation and relief of pain in both acute and chronic musculoskeletal disorders. For the relief of pain associated with equine colic.

#### Contraindications

Do not use in horses less than 6 weeks of age. Do not use in animals suffering from impaired hepatic, cardiac or renal function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions. Do not use in case of hypersensitivity to the active substance or to any of the excipients. For the treatment of diarrhoea in cattle, do not use in animals of less than one week of age.

#### Special precautions for use

**Special precautions for use in animals:** If adverse reactions occur, treatment should be discontinued and the advice of a veterinarian should be sought. Avoid use in very severely dehydrated, hypovolaemic or hypotensive animals which require parenteral rehydration, as there may be a potential risk of renal toxicity. In case of inadequate relief of pain when used in the treatment of equine colic, careful re-evaluation of the diagnosis should be made as this could indicate the need for surgical intervention.

**Special precautions to be taken by the person administering the veterinary medicinal product to animals:** Accidental self-injection may give rise to pain.

People with known hypersensitivity to non-steroidal anti-inflammatory drugs (NSAIDs) should avoid contact with the veterinary medicinal product. In case of accidental self-injection, seek medical advice immediately and show the package leaflet or the label to the physician. If accidental skin contact occurs, wash the affected area thoroughly. Wash hands after use. In view of the risk of accidental self-injection and the known adverse class-effects of NSAIDs and other prostaglandin inhibitors on pregnancy and/or embryofoetal development, the veterinary medicinal product should not be administered by pregnant women or women attempting to conceive.

#### Adverse reactions

In cattle, a single subcutaneous injection can cause a non-painful swelling that lasts up to 23 days. Intravenous injection is generally well-tolerated. In pigs, two consecutive intramuscular injections have a local irritant effect that can last up to 9 days.

In horses, a transient swelling at the injection site can occur but resolves without intervention. In rare cases anaphylactoid reactions, which may be serious (including fatal), may occur and should be treated symptomatically.

#### Use during pregnancy, lactation or lay

**Cattle and pigs:** Can be used during pregnancy and lactation.

**Horses:** Do not use in pregnant or lactating mares.

#### Interaction with other medicinal products and other forms of interaction

Do not administer concurrently with glucocorticosteroids, other non-steroidal anti-inflammatory drugs or with anti-coagulant agents.

#### Amounts to be administered and administration route

**Cattle:** Single subcutaneous or intravenous injection at a dosage of 0.5 mg meloxicam/kg b.w. (i.e. 2.5 ml/100 kg b.w.) in combination with antibiotic therapy or with oral re-hydration therapy, as appropriate.

**Pigs:** Single intramuscular injection at a dosage of 0.4 mg meloxicam/kg b.w. (i.e. 2.0 ml/100 kg b.w.) in combination with antibiotic therapy, as appropriate. If required, a second administration of meloxicam can be given after 24 hours.

**Horses:** Single intravenous injection at a dosage of 0.6 mg meloxicam/kg b.w. (i.e. 3.0 ml/100 kg b.w.).

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

In the case of overdosage symptomatic treatment should be initiated.

#### Withdrawal periods

**Cattle:** Meat and offal: 15 days; Milk: 5 days

**Pigs:** Meat and offal: 8 days

**Horses:** Meat and offal: 5 days. Do not use in horses producing milk for human consumption.

#### Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years.

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

#### Special precautions for storage

This veterinary medicinal product does not require any special temperature storage conditions.

#### Packaging

Glass vials of 50 ml and 100 ml.

#### Marketing authorisation holder

aniMedica GmbH  
Im Südfeld 9  
48308 Senden-Bösensell  
Germany

#### References

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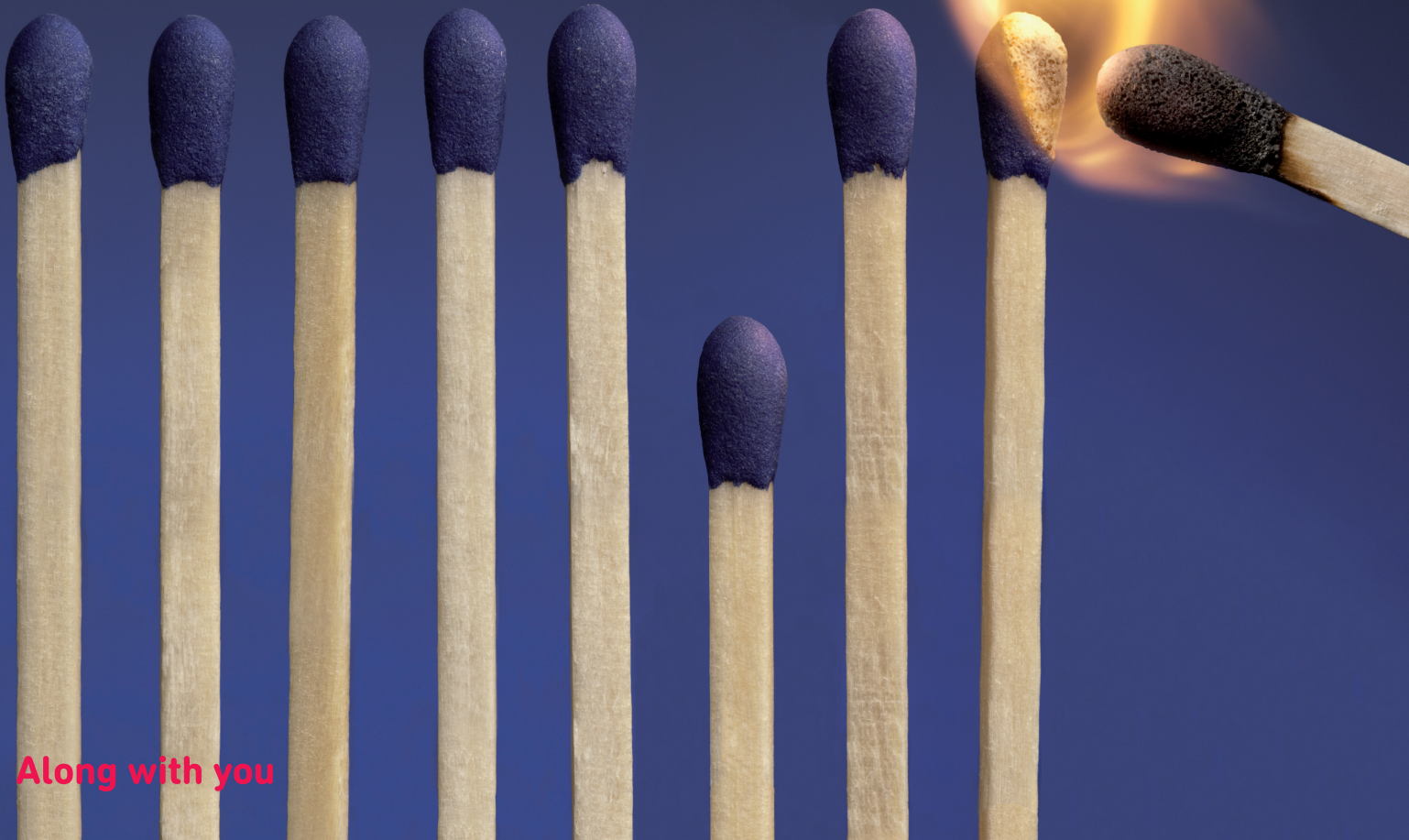
**LIVISTO**

# ANIMELOXAN

20 mg/ml

**DON'T LET THE FLAME BURN**

Meloxicam solution for injection for cattle, pigs  
and horses



**Along with you**

# ANIMELOXAN

20 mg/ml

Meloxicam solution for injection for cattle, pigs and horses

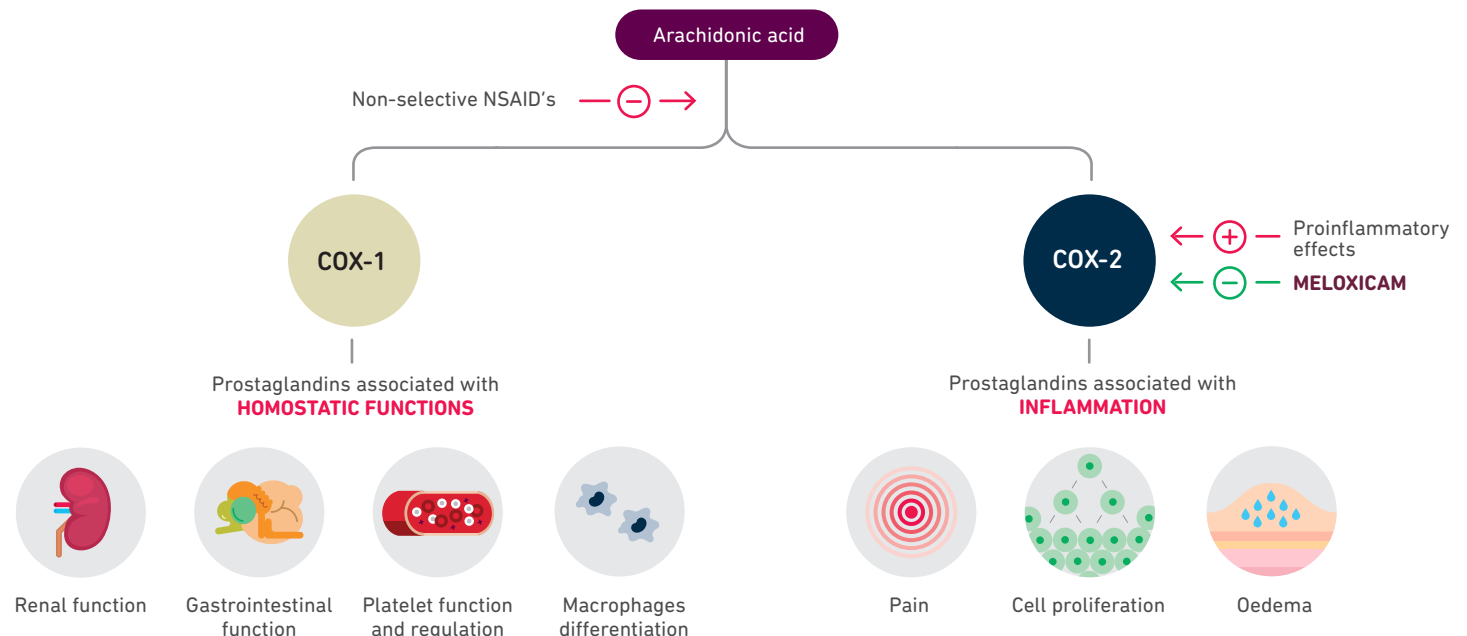
**Non-steroidal anti-inflammatory drugs (NSAID)** are widely used in production animal practice to relieve the negative effects associated with the inflammatory cascade such as excessive swelling, fever or pain.<sup>1</sup>

The aim of using NSAIDs is to improve the welfare of the animals and recover their performance (milk yield or growth rate), that is often impaired by chronic pain, inflammation and fever.

## HOW MELOXICAM ACT?

**Meloxicam** is an NSAID that acts inhibiting cyclooxygenase-2 (**COX-2**) with residual effect in cyclooxygenase-1 (COX-1). The COX-1 isoform promotes the production of prostaglandins with a protective function in gastric mucosa, kidney, platelets and immunity cells.

The specific inhibition of COX-2 allows a good anti-inflammatory, antipyretic and analgesic effect with less adverse effects related to COX-1 inhibition (i.e. gastrointestinal effects).



✓ **Anti-inflammatory**  
✓ **Antipyretic**  
Inhibition of prostaglandins.

✓ **Anti-inflammatory**  
✓ **Anticoagulant**  
Inhibition of thromboxane B2 (TXB2).

✓ **Anti-inflammatory**  
✓ **Analgesic**  
More selective inhibition of COX-2 means less gastrointestinal side effects.

Increased COX-2 selectivity means meloxicam provides equivalent anti-inflammatory activity to other NSAIDs but with **less gastrointestinal side effects** than non-COX-2 selective NSAIDs.








# DON'T LET THE FLAME BURN



## WHEN TO USE MELOXICAM

Indications		
		
<ul style="list-style-type: none"> <li>• Acute respiratory infections.<sup>2</sup></li> <li>• Diarrhoea in calves.<sup>2</sup></li> <li>• Acute mastitis.<sup>3,4</sup></li> <li>• Dehorning.<sup>5</sup></li> <li>• Perioperative use (Caesarean, in lameness surgery).<sup>5-7</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Non-infectious locomotor disorders.<sup>4</sup></li> <li>• Puerperal septicaemia and toxæmia (mastitis-metritis-agalactiae syndrome).<sup>4</sup></li> <li>• Pain control after surgical castration.<sup>8</sup></li> <li>• Periparturient period.<sup>9</sup></li> <li>• Systemic infectious diseases.<sup>9</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Pain relief of chronic musculoskeletal and joint diseases (lameness, synovitis, osteoarthritis...)<sup>10,11</sup></li> <li>• Symptomatic analgesic treatment for colic (visceral pain).<sup>4</sup></li> <li>• Post-operative pain.<sup>12</sup></li> <li>• Swelling (malignant oedema).<sup>11</sup></li> </ul>

**ANIMELOXAN 20 mg/ml** is a good choice for adjunctive therapy to treat the diseases that course with inflammation, pain, fever or swelling. With **ANIMELOXAN 20 mg/ml** you don't let the flame burn.



### DOSE & WITHDRAWAL TIME

**Cattle**

- SC or IV route.
- 2.5 ml/100 kg b.w.
- Single dose.

**Meat and offal**  
15 days.

**Milk**  
5 days.

**Pigs**

- IM route.
- 2 ml/100 kg b.w.
- Single dose.

**Meat and offal**  
8 days.

**Horses**

- IV route.
- 3 ml/100 kg b.w.
- Single dose.

**Meat and offal**  
5 days.



Thanks to its pharmacokinetic characteristics and its prolonged activity a single dose of **ANIMELOXAN 20 mg/ml** is enough to achieve a good anti-inflammatory effect.