

Xilazin

2% Xylazine Hydrochloride

For Veterinary Use

Injectable solution

Action:

Analgesic, anesthetic, muscle relaxant and sedative for cattle, dogs, horses, cats.

Formula:

Each 100 mL contains:

Xylazine (hydrochloride) 2 g
Vehicle q.s. 100 mL

Intended Use:

Xylazine has analgesic, anesthetic and sedative action, but product is also characterized by a marked muscle relaxant action at central level, being largely used in for pharmacological restraint of animals.

Pharmacology and Toxicology:

Xylazine induces a drowsy state, followed by moderate analgesic action in different animal species. Xilazin does not cause physical or psychological dependence at therapeutic doses. Regarding normal flora, the drug may occasionally result in evacuation of soft or watery stools. No resistance to pathogens or blood dyscrasias was observed. The drug does not have carcinogenic, teratogenic or mutagenic effects. The elimination half-life of Xylazine is approximately 50 minutes in horses, 30 minutes in sheep, 40 minutes in dogs, and 45 minutes in cattle. Depending on the dose, product elimination in cattle can extend to approximately 36 hours.

Application and Dosage:

DOGS AND CATS: The route of administration may be intramuscular or intravenous. A dose up to 4 mg/kg is recommended for carrying out sutures, dental extractions, tartar cleaning, stitches removal, blood and urine collection, radiological examination, skin scrapings, cleaning surgical wounds, ear cleaning and other painful interventions. This dose induces sedation for 1 - 2 hours and analgesia for 15 - 30 minutes.

HORSES: The route of administration may be intramuscular or intravenous. A dose up to 1.6 mg/kg is recommended for weighing, radiography, transporting, casks treatment, to facilitate rectal palpation, tranquilizing mares, and for small surgical interventions.

CATTLE: The route of administration may be intramuscular or intravenous.

- A dose of 0.05 mg/kg induces a clear sedation, which is recommended for extracting agrantes, facilitating local anesthesia, rumenotomy, laparotomy, caesarean section, reducing prolapsed uterus, facilitating embryotomy, changing bandage and intramammary treatment.
- A dose of 0.1 mg/kg induces a strong sedation for performing examination of oral cavity, abscess opening, superficial wound suturing, clearance of teat ducts, treating hooves, piercing nostrils rings and prepuce washing.

- A dose of 0.2 mg/kg induces a very intense sedation, analgesia and muscle relaxation for dehorning and hoove amputation, performing caesarean section in decubitus position, eliminating postpartum cramps, teat suturing, castration, puncturing, applying body casts, and iron branding. It is recommendable fasting a few hours after product is administered at this dose.
- A dose of 0.3 mg/kg provides a very intense sedation for veterinary interventions, to the point the animal cannot keep standing by itself.

Associations with other products

DOGS AND CATS: Xilazin may be associated with Ketamine hydrochloride, as a pre-anesthetic with barbiturates, and combined with local anesthetics for more invasive surgical procedures.

HORSES: Xilazin may be associated with Ketamine hydrochloride, as a pre-anesthetic with barbiturates, and combined with local anesthetics for difficult and painful surgical procedures.

Precautions

In older, pregnant, dehydrated, food-producing animals, and presenting urinary obstruction, the dose should be reduced and only used when a safer option is not available.

Xylazine hydrochloride should be injected slowly to not induce unexpected effects; appropriate equipment should always be at hand in case of emergency. Sedative effect can be reduced by noise, restlessness, animal handling, etc.

Contraindications:

Xilazin must be carefully controlled when used in debilitated animals, with depressed respiration, heart diseases, renal and hepatic insufficiency, shock or other stressing conditions. The drug is contraindicated in animals during the last month of pregnancy (inducing early parturition or miscarriage) and in dehydrated cattle. Do not use in animals intended for human consumption.

WARNING: WITHDRAW PERIOD

CATTLE: SLAUGHTERING – THIS PRODUCT SHOULD NOT BE ADMINISTERED TO ANIMALS INTENDED FOR HUMAN CONSUMPTION.

MILK - THIS PRODUCT SHOULD NOT BE ADMINISTERED TO FEMALES PRODUCING MILK FOR HUMAN CONSUMPTION.

THE USE OF THIS PRODUCT IN CONDITIONS OTHER THAN THOSE INDICATED IN THIS LEAFLET CAN LEAD TO THE PRESENCE OF RESIDUES OVER THE ACCEPTED LIMITS, BECOMING THE FOOD FROM ANIMAL ORIGIN INAPPROPRIATE FOR CONSUMPTION.

Presentation

10 mL vial containing 2% Xylazine (hydrochloride) as injectable solution.

Keep the product in a cool and dry place, away from direct sunlight and out of reach of children.

Licensed by the Ministry of Agriculture with No. 7899 in 2001/14/08.

Responsible Technician:

Dra. Vera de Fátima Costa Calixto - CRF / SP 11.427

License Holder and Manufacturer:

Syntec do Brasil Ltda.

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