AnaSed® Injection
(xylazine sterile solution)
100 mg/mL

Alpha-2 agonist. For use as indicated in analgesia, muscle relaxation and sedation prior to local and general anesthesia in horses and cervidae.

- High-quality product with predictable results
- Horses become relaxed yet mobile
- Ideal for diagnostic and minor surgical procedures
- Excellent preanesthetic
- Economic multi-dose vials
- Manufactured in the U.S.A.

A trusted staple in veterinary medicine, AnaSed® delivers safe and fast-acting results backed by the quality and reliability of the Akorn Animal Health brand.

Rapidly reversed with Akorn Animal Health branded Tolazine® (tolazoline HCl, USP) Injection, AnaSed® is ideal for the variety of short procedures critical to your daily practice—from routine clinic-based indications to mobile equine practice needs. AnaSed® multi-dose vials offer consistent, economical dosing convenience when and where you need it.
AnaSed® Injection (Xylazine) 100 mg/mL Injection Sedative and Analgesic for Use in Horses and cervidae (Fallow Deer, Mule Deer, Sika Deer, White-Tailed Deer and Elk)

DESCRIPTION:
Xylazine, a non-narcotic compound, is a sedative and analgesic as well as a muscle relaxant. Its sedative and analgesic activity is related to central nervous system depression. Its muscle-relaxant effect is based on inhibition of the neurotransmission of impulses in the central nervous system. The principal pharmacological activities develop within 10 to 15 minutes after intramuscular injection in horses and Cervidae, and within 3 to 5 minutes following intravenous administration in horses.

A sleeplike state, the depth of which is dose-dependent, is usually maintained for 1 to 2 hours, while analgesia lasts from 15 to 30 minutes. The centrally acting muscle-relaxant effect causes relaxation of the skeletal musculature complementing sedation and analgesia.

Xylazine may be used for the following:
- To calm and facilitate handling of fractious animals.
- As a preanesthetic to local anesthesia, AnaSed at the recommended dosage.
- 1.0 to 2.0 mL/100 lb body weight (1.0 to 2.0 mg/kg). Drug effects seen in 2 to 5 minutes.
- To produce a state of sedation accompanied by a shorter period of anesthesia.

PHARMACOLOGY:
Protect from heat. Do not store over 30° C (86° F).

Dosage and Administration:

1. Dosage
Horses: Intramuscular — 1.0 mL/100 lb body weight (1 mg/lb or 2.2 mg/kg).

2. Intravenous — 0.5 mL/100 lb body weight (0.5 mg/lb or 1.1 mg/kg).

Cervidae: Administer intramuscularly, by either hand syringe or syringe dart, in the heavy muscles of the croup or shoulder.

3. Mule Deer (Zapata damae) — 2.0 to 4.0 mL/100 lb body weight (2.0 to 4.0 mg/kg or 4.4 to 8.8 mg/kg).

4. Mule Deer (Odocoileus hemionus) — 1.0 to 2.0 mL/100 lb body weight (1.0 to 2.0 mg/kg or 2.2 to 4.4 mg/kg).

5. Sika Deer (Cervus nippon) — 1.0 to 2.0 mL/100 lb body weight (1.0 to 2.0 mg/kg or 2.2 to 4.4 mg/kg).

6. White-Tailed Deer (Odocoileus virginianus) — 1.0 to 2.0 mL/100 lb body weight (1.0 to 2.0 mg/kg or 2.2 to 4.4 mg/kg).

7. Elk (Cervus canadensis) — 0.25 to 0.5 mL/100 lb body weight (0.25 to 0.5 mg/kg or 0.55 to 1.1 mg/kg).

8. Following injection of xylazine, the animal should be allowed to rest quietly until the full effect has been reached. These dosages produce sedation which is usually maintained for 1 to 2 hours, and analgesia which lasts for 15 to 30 minutes.

9. Preanesthetic to Local Anesthesia
Xylazine at the recommended dosages can be used in conjunction with local anesthetics, such as procaine or lidocaine.

10. Preanesthetic to General Anesthesia
Xylazine at the recommended dosage rates produces an additive effect to central nervous system depressants such as pentobarbital sodium, thiamphendil sodium and thiamylal sodium. Therefore, the dosage of such compounds should be reduced and administered to the desired effect. In general, only 1/3 to 1/2 of the calculated dosage of the barbiturates will be needed to produce a surgical plane of anesthesia. Post-anesthetic or emergence excitement has not been observed in animals preanesthetized with xylazine.

11. Xylazine has been used successfully as a preanesthetic agent for pentobarbital sodium, thiamphendil sodium, thiamylal sodium, nitrous oxide, ether, halothane, glyceryl guaiacolate and methoxyflurane anesthesia.

SIDE EFFECTS:
Xylazine in horses and Cervidae at recommended dosage levels may occasionally cause slight muscle tremors, bradycardia with partial A-V heart block and a reduced respiratory rate. Movement in response to surgical/clinical procedures. Variability of analgesia occurs most as extreme heat, cold, high altitude or fatigue.

12. Xylazine should not be administered to domesticated species.

PRECAUTIONS:
Care should be taken at all times when administering AnaSed® to Cervidae. This is due to the method of administration (usually darting), the difficulty in estimating body weights and the accepted theory that wild animals are more unpredictable in their response to sedatives and analgesics than the domesticated species.

SAFETY: Xylazine has been tested in horses at 5 times the recommended dose, and at doses above the recommended range in Cervidae.

HOW SUPPLIED:
NDC 58399-111-50 50 mL vial

REFERENCES:


AKORN Animal Health
Manufactured by: Akorn, Inc.
Lake Forest, IL 60045
XYALIN Rev. 07/14
U.S. Pat. No. 4,614,798

NOT FOR PRESCRIBING PURPOSES. PLEASE REFER TO PACKAGE INSERT FOR FULL PRESCRIBING INFORMATION.