

ANDOZINE® 2 %

REGISTRATION: Q-0209-108



Injectable solution.

Sedative, tranquilizer, analgesic, and muscle relaxant.



FORMULA

Each mL contains:

Xylazine base	20 mg
Vehicle q.s.	1 mL

Use in species:



Cattle



Horses



Sheep



Goats



Dogs



Cats

INDICATIONS

andozine® 2 % is a sedative, tranquilizer, analgesic, and muscle relaxant indicated for restraint during diagnostic examinations, painful procedures, animal transport, wound care, dentistry, major and minor surgery in cattle, horses, sheep, goats, dogs, and cats.

CLINICAL PHARMACOLOGY:

Xylazine, administered intramuscularly, is rapidly absorbed. It is a thiazine-derived alpha-2 adrenergic agonist. It acts on the central nervous system by inhibiting presynaptic calcium entry, reducing neurotransmitter release such as dopamine and norepinephrine, producing sedation and analgesia. It also acts on cholinergic, serotonergic, histamine H₂, and opioid receptors. In the peripheral nervous system, it causes vasoconstriction, hypertension, increased afterload and cerebral perfusion, decreased insulin release (hyperglycemia), polyuria, reduced gastrointestinal motility, and gastric dilation tendency. Muscle relaxation occurs through inhibition of interneuronal transmission in the spinal cord. It also selectively activates the parasympathetic system and inhibits the sympathetic system, with depression of the vasomotor center in the brainstem and increased central vasoreceptor and vagal activity. Cardiovascular effects include initial hypertension followed by prolonged hypotension and bradycardia. It sensitizes the myocardium to catecholamines, predisposing to spontaneous arrhythmias. It may cause little or no reduction in respiratory rate and depth, though it relaxes the larynx and suppresses the cough reflex. It is extensively metabolized in the liver and metabolites are excreted in urine.

DOSAGE:

Dogs

Sedative	(0.5–1 mg/kg IM, IV) 0.25–0.5 mL/10 kg.
Tranquilizer	(0.5–1 mg/kg IM, IV) 0.5–1 mL/10 kg.

Cats

Sedative	(0.25–0.5 mg/kg IM) 0.25–0.5 mL/10 kg.
Tranquilizer	(1 mg/kg IM) 0.5 mL/10 kg.

Cattle

(0.05–0.15 mg/kg IV) 0.25–0.75 mL/100 kg;
(0.10–0.33 mg/kg IM) 0.5–1.65 mL/100 kg.

Horses

mg/kg IV) 5.5 mL/100 kg; (2.2 mg/kg IM) 11 mL/100 kg.

Sheep and goats

(0.05–0.10 mg/kg IV) 0.125–0.25 mL/50 kg.

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ROUTE OF ADMINISTRATION: Intramuscular and intravenous.

WARNINGS:

Do not administer to dogs and cats with esophageal obstruction or gastric torsion. Do not administer to hypertensive patients. Do not administer concurrently with epinephrine. Avoid use in patients with a history of ventricular arrhythmias, heart failure, liver or kidney disease, respiratory dysfunction, seizure history, cachexia, or severe dehydration. Andozine® 2% must not be administered during the last month of gestation due to risk of premature labor. Sale requires a quantified medical prescription. Veterinary use only. Consult a Veterinarian.

WITHDRAWAL PERIOD:

Do not consume milk from treated animals until 5 days after application.
Do not use this product within 3 days before slaughter of animals intended for human consumption.

STORAGE CONDITIONS:

Store in a cool, dry place protected from light. Keep out of reach of children and domestic animals.

For exclusive use by the Veterinarian