

Cetamin

Ketamine Hydrochloride 10%

For veterinary use Injectable solution

Action

Anesthetic agent for dogs, cats, horses, poultry, swine, cattle, primates and wild animals.

Formula:

Each 100 mL contains:

Ketamine (hydrochloride) 10.0 g
Sterile vehicle qs 100.0 mL

Indications:

CETAMIN (Ketamine Hydrochloride) is indicated as sole anesthetic agent for diagnostic and surgical procedures that do not require relaxation of skeletal muscles. CETAMIN can be used for small surgical procedures, but can be also used in additional doses for longer procedures.

Pharmacology and Toxicology:

Ketamine induces anesthesia and amnesia by functional disruption of central nervous system via marked stimulation or induction of cataleptic state. It has rapid onset of action after intramuscular or intravenous administration, due to its high lipid solubility in central nervous system.

The combination of rapid clearance and large distribution volume of Ketamine resulted in elimination half-life of 2 - 3 hours after a single intravenous dose, while due to unclear reasons, this time may be shorter when stimulated by using continuous infusion method. Ketamine binds to the plasma protein in a 45 - 50% rate, with greater affinity to α -acid glycoprotein than albumin.

There are no reports on carcinogenic, teratogenic, or mutagenic effects, hyper-sensitization activity, or impact on normal flora. No resistance was observed to pathogens and blood dyscrasias. The product does not cause physical or psychological dependence when used as indicated.

Dosage and Administration:

Product should be administered by intramuscular or intravenous routes, with recommended anesthetic doses of 10 - 30 mg / kg body weight, varying according to the animal.

Combination with other drugs:

Ketamine and Xylazine: this combination has been established for dogs and cats due to its high convenience, as the surgeon himself performs anesthesia with a single intramuscular dose. Application of subcutaneous atropine 10 - 15 min prior administration of combined drugs is essential to avoid side effects.

Ketamine and Detomidine: the convenience of this combination is noted when performing minor surgical procedures in horses, with the animal in standing position. It should be noted that this combination is not appropriate for abdominal or thoracic surgical interventions.

Ketamine and Romifidine: a valid combination was made in a sequential manner. First, Romifidine is applied intravenously. It should be noted that the quality of this combination is similar to the previous one. However, the Romifidine alone does not have the same analgesic effect of Detomidine.

Precautions:

Especial precaution should be paid in case of older and pregnant animals, or animals subject to epileptic or hypertensive episodes. Extrapyrimal effects observed with the isolated use of Ketamine are suppressed by the use of phenothiazine-based preanesthetic medication. In order to avoid abrupt change in physiological parameters, Ketamine Hydrochloride should be slowly applied by intravenous route. These sudden changes are not observed when product is applied by intramuscular route.

Side Effects

In cats, catalepsy followed by ataxia and increased motor activity is often observed. Convulsions may occur, particularly in epileptic animals.

Contraindications:

Ketamine is contraindicated for animals presenting hepatic or renal dysfunction, head injury, reduced cardiopulmonary reserve, epilepsy, increased intraocular pressure, opened eye lesions or presenting thyrotoxic crisis.

WARNING - THE FOLLOWING WITHDRAWAL PERIODS MUST BE OSERVED
POULTRY, CATTLE AND SWINE:
DO NOT ADMINISTER THIS PRODUCT TO ANIMALS INTENDED 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:

A 10-mL or 50-mL vial containing 10% Ketamine Hydrochloride injectable solution

Store product in cool, dry place, away from direct sunlight and out of reach of the children and domestic animals.

WARNING: THE USE BY HUMANS CAN CAUSE SERIOUS HEALTH HAZARDS.

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Responsible Technician:

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

License Owner and Manufacturer:

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