

For The use of a registered veterinary Practitioner or a Hospital only

ZOXIFARM

(Ceftizoxime for Injection 3g)

COMPOSITION:

Each Vial contains:

Sterile Ceftizoxime Sodium IP

Eq. to Anhydrous Ceftizoxime 3 gm

PHARMACOLOGICAL PROPERTIES:

ZOXIFARM contains Ceftizoxime Sodium available as dry powder for reconstitution.

Ceftizoxime is a broad spectrum bactericidal third generation cephalosporin group of antibiotics. ZOXIFARM has high sensitivity against aerobic, anaerobic Gram+ve and Gram -ve bacteria. The drug is also effective in treatment of beta-lactamase (Penicillinase and Cephalosporinase) producing bacteria. ZOXIFARM is very useful in treatment of mastitis in dairy animals, as single injection is able to maintain as optimum bactericidal therapeutic concentration in udder tissues for 96 hours (4 days). The Ceftizoxime Sodium has greater affinity to bind and accumulate in adipose tissues of mammary glands and alveolar proteins resulting in longer perseverance in milk, hence milk concentration of Ceftizoxime in cow suffering from mastitis is maintained more than MIC even after 96 hours after intravenous administration.

MECHANISM OF ACTION:

Ceftizoxime is a beta-lactam cephalosporin with broad spectrum bactericidal action by interfering with the production of cell wall peptidoglycans, thus causing cell wall lysis. Unlike other third generation cephalosporins, in Ceftizoxime the whole C-3 side chain has been removed to prevent deactivation by hydrolytic enzymes.

ANTIBACTERIAL ACTIVITY:

Ceftizoxime has a wide spectrum of antibacterial action in vitro that includes

Gram+ve and Gram-ve aerobic and some anaerobic bacteria.

INDICATION:

ZOXIFARM is indicated for the treatment of clinical and sub clinic mastitis in dairy animals.

DOSAGE AND ADMINISTRATION:

ZOXIFARM is to be administered by only intravenous route after reconstitution at the dose rate of 5mg/kg body weight in bovines and is to be repeated within 96 hours in severe clinical mastitis cases. ZOXIFARM is available along with sterile water for injections IP, disposable syringe and needle. the dose rate of 1 mg/kg body weight once in 24 hrs for 3-5 days and in calf, sheep, goat and swine at the dose rate of 2 mg/kg body weight once in a day for 3-5 days.

Contraindication:

Do not use in animals which are known to be hypersensitive to cephalosporin antibiotics, other β -lactam antibiotics or to any of the excipients.

Withdrawal period:

Milk: Cattle-1 day

Meat: Cattle - 5 days | Pigs-3 days.

Storage: Store below 25°C in dry place
Protect from direct sunlight, Do not allow to freeze.

Presentation: 500 mg

SAFETY AND PRECAUTIONS:

Ceftizoxime is safe to be administered in pregnancy and produces no impairment of fertility, embryo toxicity and teratogenicity. Reproduction studies performed in rats and rabbits have revealed no evidence of impaired fertility or harm to the fetus due

to Ceftizoxime. Keep out of reach of children.

WITHDRAWAL PERIOD:

The milk and meat withdrawal period of Ceftizoxime is as follows:

Milk: Minimum 5 Days

Meat: Minimum 28 Days

STORAGE: Store below 25°C. Protect from light & moisture. Do not freeze. The reconstituted solution should be used immediately after preparation

**CONTRA INDICATION/SAFETY/
PRECAUTION:**

ZOXIFARM is contraindicated in animals that are known to have exhibited allergic reaction to Cephalosporins. The drug has been developed for parenteral use (Intravenous) for treatment of mastitis in dairy animals and has been shown to be safe in that regard.

PRESENTATION:

ZOXIFARM 3 g along with 20 ml sterile water for injections IP, 20 ml disposable syringe and needle.

SHELF LIFE:

24 months from the date of manufacture.

**VETERINARY | NOT FOR HUMAN USE
FOR ANIMAL TREATMENT ONLY**



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