

Injection  
**Ceftriaxone**  
**Topcef Vet**

**Only for the use of animals**

**Composition**

Topcef Vet 0.5 g: Each vial contains Ceftriaxone 0.5 g (as sterile ceftriaxone Sodium BP)

Topcef Vet 1 g: Each vial contains Ceftriaxone 1 g (as sterile ceftriaxone Sodium BP)

Topcef Vet 2 g: Each vial contains Ceftriaxone 2 g (as sterile ceftriaxone Sodium BP)

**Description**

Topcef Vet (Ceftriaxone) is a potent bactericidal antibiotic of third generation cephalosporin. It has a high degree of stability to various types of bacterial -lactamases and penicillinases. It is rapidly absorbed and widely distributed in tissues as well as body fluids, with good tolerance after parenteral administration in animals. It is effective against both Gram-positive and Gram-negative bacteria.

**Indication**

Topcef Vet (Ceftriaxone) injection is indicated for the treatment of wide variety of infections caused by sensitive Gram-positive, Gram-negative and anaerobic bacteria.

This drug has high potential application in-

- Respiratory tract infections (Bronchopneumonia, Pneumonia)
- Gastrointestinal tract infections (Calf Scour, Enteritis, Diarrhoea)
- Uro-genital tract infections (Metritis, Pyometra, Nephritis, Cystitis)
- Skin and soft tissue infections (External wound, Abscess etc.)
- Bone and joint infections (Arthritis)
- Otitis (Externa, Media, Interna)

Topcef Vet (Ceftriaxone) is effective against diseases caused by sensitive bacteria such as mastitis, actinobacillosis, actinomycosis, hemorrhagic septicemia, black quarter, anthrax, foot rot, dermatophilosis, infectious bovine keratoconjunctivitis (IBKC), salmonellosis, brucellosis, enterotoxaemia, meningitis etc. and to prevent post operative infections. It is also used to prevent secondary bacterial infections followed by viral infections such as foot and mouth disease, ephemeral fever, PPR etc.

**Dosage & Administration**

For deep Intramuscular and slow Intravenous injection only.

**Preparation of solution for IM injection:**

For IM injection, reconstitute the Powder for Injection with the following amount of Lidocaine 1% injection BP

Powder for Injection	Lidocaine 1% Injection BP
0.5 g	2.0 ml
1 g	3.5 ml
2 g	7.0 ml

Shake well until the powder is dissolved properly.

**Cattle/Buffalo:** 1 g / 100 kg body weight (10 mg / kg body weight) deep IM once / twice daily for 3-5 days.

**Calves/Buffalo calves:** 0.5 g / 50 kg body weight (10 mg / kg body weight) deep IM once / twice daily for 3-5 days.

**Goat/Sheep:** 0.5 g / 25 kg body weight (20 mg / kg body weight) deep IM twice daily for 3-5 days.

**Horse:** 1 g / 40 kg body weight (25 mg / kg body weight) deep IM twice daily for 3-5 days.

**Dog/Cat:** 0.5 g / 20 kg body weight (25 mg / kg body weight) deep IM once / twice daily for 3-5 days.

**Zoo animal:** 1 g / 100 kg body weight (10 mg / kg body weight) deep IM daily for 3-5 days.

**Preparation of solution for IV injection:**

For IV injection, reconstitute the Powder for Injection with the following amount of water for injection (WFI)

Powder for Injection	Water for injection (WFI)
0.5 g	5 ml
1 g	10 ml
2 g	20 ml

Shake well until the powder is dissolved properly.

**Cattle/Buffalo:** 1 g / 100 kg body weight (10 mg / kg body weight) IV slowly once / twice daily for 3-5 days.

**Calves/Buffalo calves:** 0.5 g / 50 kg body weight (10 mg / kg body weight) IV slowly once / twice daily for 3-5 days.

**Goat/Sheep:** 0.5 g / 25 kg body weight (20 mg / kg body weight) IV slowly twice daily for 3-5 days.

**Horse:** 1 g / 40 kg body weight (25 mg / kg body weight) IV slowly twice daily for 3-5 days.

**Dog/Cat:** 0.5 g / 20 kg body weight (25 mg / kg body weight) IV slowly once / twice daily for 3-5 days.

**Zoo animal:** 1 g / 100 kg body weight (10 mg / kg body weight) IV slowly daily for 3-5 days.

Or, as directed by the registered Veterinary Physician.

**Contraindication**

Topcef Vet (Ceftriaxone) injection is contraindicated in animals with known allergy to cephalosporin class of antibiotics.

**Warning & Precaution**

Do not administer Topcef Vet (Ceftriaxone) IV dissolved with 1% Lidocaine.

Do not administer Topcef Vet (Ceftriaxone) IM dissolved with water for injection.

If any particle is visible in vial after dissolving the contents, please do not use.

**Side effects**

**Common:** Hyper sensitive reactions (acute anaphylaxis or angioedema, allergic agranulocytosis, fever, serum sickness, urticaria, diarrhoea, thrombocytosis etc.)

**Rare:** Not known.

**Pregnancy & Lactation**

Topcef Vet (Ceftriaxone) can be used safely during pregnancy. Low concentration of ceftriaxone is excreted through milk; cautions should be exercised when ceftriaxone is administered to a lactating animal.

**Drug Interaction**

**With medicine:** In Vitro studies indicate a synergistic action with aminoglycosides through clinically importance has not been determined.

**With food & others:** Not known.

**Overdose**

There is no specific antidote. Treatment of overdose should be symptomatic.

**Withdrawal period**

Meat & Milk- Not known

**Storage**

Store below at 30°C temperature. Protect from light. Keep all medicines out of reach of children.

**Packing**

**Topcef Vet 0.5 g:** Each combipack contains one vial of Topcef Vet 0.5 g injection & one ampoule of 2.0 ml Lidocaine 1% injection BP in blister pack and a 5 ml disposable syringe.

**Topcef Vet 1 g:** Each combipack contains one vial of Topcef Vet 1 g injection & one ampoule of 3.5 ml Lidocaine 1% injection BP in blister pack and a 5 ml disposable syringe.

**Topcef Vet 2 g:** Each combipack contains one vial of Topcef Vet 2 g injection & one ampoule of 7.0 ml Lidocaine 1% injection BP in blister pack and a 10 ml disposable syringe.

**Manufactured by**

Navana Pharmaceuticals Ltd.  
Rupshi, Rupganj, Narayanganj, Bangladesh

