

## Brontject™ Vet

Cefquinome Sulphate (Sterile) INN for Injection

### Description

**Brontject™ Vet IM Injection** is the preparation of Cefquinome Sulphate. Cefquinome is a fourth generation Cephalosporin antibiotic dedicated for veterinary use. It is a  $\beta$ -lactamase resistant antibiotic.

### Indications

For the treatment of bacterial infections in cattle and horses caused by the following Gram positive and Gram-negative microorganisms sensitive to cefquinome:

#### Cattle:

- Acute *E. coli* mastitis with signs of systemic involvement
- Respiratory disease caused by *Pasteurella multocida* and *Manheimia haemolytica*
- Digital dermatitis, infectious bulbar necrosis and acute interdigital necrobacillosis

#### Calves:

- *E.coli* septicaemia

#### Horses:

- Respiratory disease caused by *Streptococcus equi* subsp. *Zooepidemicus*

#### Foals:

- Severe bacterial infections with a high risk of septicaemia in which *E. coli* is involved

### Mode of Action

**Brontject™ Vet IM Injection** is a broad-spectrum bactericidal antibiotic that belongs to the  $\beta$ -lactum group. Cefquinome interferes with bacterial cell wall synthesis by inhibiting transpeptidase and carboxipeptidase enzymes of bacteria.

### Direction for Reconstitution

**For Brontject™ Vet 225 IM Injection:** Add 5 mL diluent into the 225 mg powder vial of **Brontject™ Vet** injection gradually and shake well until the powder dissolved properly.

**For Brontject™ Vet 450 IM Injection:** Add 10 mL diluent into the 450 mg powder vial of **Brontject™ Vet** injection gradually and shake well until the powder dissolved properly.

## Dosage and Administration

Species	Dose	Route	Interval	Duration
Cattle & Calves	1 mL / 45 Kg (1 mg/Kg) body weight	IM	Once Daily	3 – 5 days
Horse & Foals	1 mL / 45 Kg (1 mg/Kg) body weight	IM or IV	For Horse: Once daily For foal: Twice daily	5 – 10 days

Or, as per direction of a registered Veterinarian / Consultant.

## Withdrawal Period

Meat: 2 days

Milk: 36 hours

## Adverse effects

Hypersensitive reactions to cephalosporins occur rarely. In cattle, use of the product may result in localized tissue reaction. Tissue lesions are repaired 15 days after the last injection.

## Contraindications

Should not be administered to the animals hypersensitive to Cephalosporin antibiotics or other  $\beta$ -lactam antibiotics or to any of the excipients.

## Precautions

- Can be used only under supervision of registered veterinarian
- Complete full course according to the prescription
- Dosage and administration must be as per prescription

## Use in Pregnancy and Lactation

There is no information on reproductive toxicity in Cattle or Horses. Laboratory studies have not shown any teratogenic, fetotoxic or maternotoxic effects. Use only according to the benefit/risk assessment by the responsible veterinarian.

## Storage Condition

Do not store above 25 °C temperature. Keep away from light and wet place. Keep out of reach of children. **Reconstituted solution can be used upto 7 days when stored in a refrigerator (2 °C - 8 °C temperature).**

## Presentation

**Brontject™ Vet 225 IM Injection:** Each box contains

- 1 vial of Cefquinome Sulphate (Sterile) INN equivalent to Cefquinome 225 mg
- 1 vial containing Disodium Hydrogen Phosphate Dihydrate USP, Benzyl alcohol BP and Water for Injection USP as Diluent
- 1pcs 5 ml disposable syringe

**Brontject™ Vet 450 IM Injection:** Each box contains

- 1 vial of Cefquinome Sulphate (Sterile) INN equivalent to Cefquinome 450 mg
- 1 vial containing Disodium Hydrogen Phosphate Dihydrate USP, Benzyl alcohol BP and Water for Injection USP as Diluent
- 1pcs 10 ml disposable syringe

**For Veterinary Use Only**

**Manufactured by:**

**SK+F**

**Eskayef Pharmaceuticals Ltd.**

Animal Health Division

Tongi, Gazipur, Bangladesh.

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