

FANGTONG

Category: POM

Ceftitong 5

Ceftiofur Hydrochloride Injectable Suspension 5%

Composition

Each ml contains:
Ceftiofur (as Ceftiofur hydrochloride) 50 mg.

Appearance

A fine particulate suspension that sediments upon standing and forms a uniform milky suspension upon shaking.

Pharmacodynamic properties

Ceftiofur is a late generation cephalosporin, which is active against many Gram-positive and Gram-negative bacteria. Ceftiofur inhibits the bacterial cell wall synthesis, thereby exerting bactericidal properties. Beta-lactams act by interfering with synthesis of the bacterial cell wall. Cell wall synthesis is dependent on enzymes that are called penicillin-binding proteins (PBP's).

Bacteria develop resistance to cephalosporins by four basic mechanisms: 1) altering or acquiring penicillin binding proteins insensitive to an otherwise effective β -lactam; 2) altering the permeability of the cell to β -lactams; 3) producing β -lactamases that cleave the β -lactam ring of the molecule, or 4) active efflux.

Some β -lactamases, documented in Gram-negative enteric organisms, may confer elevated MICs to varying degrees to third and fourth generation cephalosporins, as well as penicillins, ampicillins, β -lactam inhibitor combinations, and first and second generation cephalosporins.

Ceftiofur is active against bacteria involved in respiratory disease in cattle: *Pasteurella multocida*, *Mannheimia* spp. (former *Pasteurella haemolytica*), *Haemophilus somnus*; bacteria involved in acute bovine foot rot (interdigital necrobacillosis) in cattle: *Fusobacterium necrophorum*, *Bacteroides melanogenicus* (*Porphyromonas asaccharolytica*); and bacteria associated with acute post-partum (puerperal) metritis in cattle: *Escherichia coli*, *Arcanobacterium pyogenes* and *Fusobacterium necrophorum*.

Indications

For treatment of following infections associated with bacteria sensitive to ceftiofur in cattle:

- Bovine respiratory disease (BRD, shipping fever, pneumonia) associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*.
- Acute bovine interdigital necrobacillosis (foot rot, pododermatitis) associated with *Fusobacterium necrophorum* and *Bacteroides melanogenicus*.
- Acute metritis (0 to 14 days post-partum) associated with associated with *Escherichia coli*, *Arcanobacterium pyogenes* and *Fusobacterium necrophorum*, sensitive to ceftiofur, when treatment with another antimicrobial has failed.

Dosage and Administration

Shake well before using.
By intramuscular or subcutaneous injection at dosage of 1 mg/kg (i.e. 1 ml/50kg) b.w./day. Administer daily at 24 hours intervals.
Duration of administration:
Respiratory disease: 3–5 days.
Acute interdigital necrobacillosis: 3 days.
Acute post-partum metritis within 10 days after calving: 5 days.
Maximum recommended dose at one injection site: 13 ml.

Adverse Reaction

Hypersensitivity reactions unrelated to dose can occur. Allergic reactions (e.g. skin reactions, anaphylaxia) may occasionally occur. In case of the occurrence of allergic reaction the treatment should be withdrawn. In cattle, mild inflammatory reactions at the injection site, such as tissue oedema and discoloration of the subcutaneous tissue and/or fascial surface of the muscle may be observed. Clinical resolution is reached in most animals by 10 days after injection although slight tissue discoloration may persist for 28 days or more.

Contra-indications

Do not use in cases of hypersensitivity to ceftiofur and other β -lactam antibiotics.
Do not inject intravenously.
Do not use in cases where resistance to other cephalosporins or beta-lactam antibiotics has occurred.
Do not use in poultry (including eggs) due to risk of spread of antimicrobial resistance to humans.

Overdose

In cattle, no signs of systemic toxicity have been observed following substantial parenteral overdosages.

Withdrawal Period

Meat and offal: 6 days.
Milk: 0 days.

Presentation

Available in 100 ml glass bottle.

Storage

Store at controlled room temperature not above 25 °C, protect from freezing. Protect from light.

Validity

3 years.

Manufacturer

Chongqing Fangtong Animal Pharmaceutical Co., Ltd
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Exclusive Agent in Iraq
Bilad Al-Rajih Company
For General Trading L.L.C



FOR VETERINARY USE ONLY
KEEP OUT OF REACH OF CHILDREN

EDITION NO.: CEF2407 VERIFY DATE: SINCE Jul., 2024

100*130mm