### Ceftiofur sodium for Injection 1 g pack - Vial label

DIN 02412284



### Ceftiofur sodium for Injection

Ceftiofur for Injection (as Ceftiofur Sodium Trihydrate)/Ceftiofur pour Injection (sous forme de trihydrate de ceftiofur sodique)

Veterinary Use Only/ Usage vétérinaire seulement

Sterile/Stérile

Broad-spectrum antibiotic/ Antibiotique à large spectre

For cattle, lactating dairy cattle, horses, swine, lambs and dogs.

Pour bovins, vaches laitières en lactation, chevaux, porcs, agneaux et chiens.

Active Ingredient: Ceftiofur (as ceftiofur sodium), 50 mg per mL of reconstituted solution.

Warnings: See package insert for complete warnings.

Storage: Store unreconstituted product at a temperature between 15° and 25°C. Protect from light.

See package insert for complete product information.

Ingrédient actif : 50 mg de ceftiofur (sous forme de ceftiofur sodique) par mL de solution reconstituée.

Mises en garde: Voir le dépliant pour les mises en garde complètes.

Entreposage: Entreposer le produit non-reconstitué entre 15 et 25°C. Protéger de la lumière.

Voir le dépliant pour les informations complètes du produit.

Net:1g

Bio Agri Mix LP

P.O. Box 399, Mitchell, ON. N0K 1N0

Lot No.:

Exp.:

Version: BAM Nov-03-17

### Ceftiofur sodium for Injection 4 g pack - Vial label

DIN 02412284



### Ceftiofur sodium for Injection

Ceftiofur sodium trihydrate sterile powder for injection/ poudre stérile de trihydrate de ceftiofur sodique pour injection

Veterinary Use Only/ Usage vétérinaire seulement

Sterile/Stérile

Broad-spectrum antibiotic/ Antibiotique à large spectre

For cattle, lactating dairy cattle, horses, swine, lambs and dogs.

Pour bovins, vaches laitières en lactation, chevaux, porcs, agneaux et chiens.

Active Ingredient: Ceftiofur (as ceftiofur sodium), 50 mg per mL of reconstituted solution.

Warnings: See package insert for complete warnings.

Storage: Store unreconstituted product at a temperature between 15° and 25°C. Protect from light.

See package insert for complete product information.

Ingrédient actif : 50 mg de ceftiofur (sous forme de ceftiofur sodique) par mL de solution reconstituée.

Mises en garde: Voir le dépliant pour les mises en garde complètes.

Entreposage: Entreposer le produit non-reconstitué entre 15 et 25°C. Protéger de la lumière.

Voir le dépliant pour les informations complètes du produit.

Net:4g

Bio Agri Mix LP

P.O. Box 399, Mitchell, ON. N0K 1N0

Lot No.:

Exp.:

Version: Nov-03-17

# Ceftiofur sodium for Injection 1 g pack – Carton-Lid Ceftiofur sodium for Injection Ceftiofur for Injection (as Ceftiofur Sodium Trihydrate)/ Ceftiofur pour Injection (sous forme de trihydrate de ceftiofur sodique) Lot.: Exp.:

BAM LP Version: Nov-03-17

# Ceftiofur sodium for Injection 4 g pack – Carton-Lid Ceftiofur sodium for Injection Ceftiofur for Injection (as Ceftiofur Sodium Trihydrate)/ Ceftiofur pour Injection (sous forme trihydrate de ceftiofur sodique)

BAM LP Version: Nov-03-17

Lot.: Exp.:

### Ceftiofur sodium for Injection 1 g pack - Carton-Front Panel-English

DIN 02412284

Pr

### Ceftiofur sodium for Injection

Ceftiofur for Injection (as Ceftiofur Sodium Trihydrate)

Veterinary Use Only

Sterile

Broad-spectrum antibiotic

For cattle, lactating dairy cattle, horses, swine, lambs and dogs.

### WARNINGS

Treated swine and lambs must not be slaughtered for use in food for at least 24 hours after the latest

Treated swine and lambs must not be slaughtered for use in food for at least 24 hours after the latest treatment with this drug.

No meat withdrawal period or milk withholding time is required for cattle when the drug is used according to the label directions and dosage.

Do not use in calves to be processed for veal

This drug is not to be administered to horses that are to be slaughtered for use in food.

Antimicrobial drugs, including penicillins and cephalosporins can cause allergic reactions in sensitized individuals. (To minimize the possibility of such a reaction, users of such antimicrobial products, including ceftiofur, are advised to avoid direct contact of the product with the skin and mucous membranes). membranes).

- To limit the development of antimicrobial resistance:

   Ceftiofur sodium for Injection should not be used as a mass medication for cattle, swine or any other species Ceftiofur sodium for Injection should only be used to treat individual animals as per the
- The choice of Ceftiofur sodium for Injection as the most appropriate treatment should be confirmed by clinical experience supported where possible by pathogen culture and drug susceptibility testing.

  The extra-label drug use of Ceftiofur sodium for Injection is not recommended.

  KEEP OUT OF REACH OF CHILDREN

Net 1 g

BAM LP Version: Nov-03-17

## Ceftiofur sodium for Injection 1 g pack - Carton-Side Panel-English

This package contains:

1 g Ceftiofur sodium for Injection.

Active Ingredient: Ceftiofur (as ceftiofur sodium trihydrate), 50 mg per mL of reconstituted solution.

Storage: Store unreconstituted product at a temperature between 15° and 25°C.

Reconstituted product - store reconstituted product at a temperature between  $2^\circ$  and  $8^\circ$ C for up 7 days, between  $15^\circ$  and  $30^\circ$  C for up to 12 hours, or frozen for up to 8 weeks. Protect from light.

See package insert for complete product information.

Bio Agri Mix LP

P.O. Box 399, Mitchell, ON. NOK 1NO



### Ceftiofur sodium for Injection 4 g pack - Carton-Front Panel-English

DIN 02412284

Pr

Ceftiofur sodium for Injection

Ceftiofur for Injection (as Ceftiofur Sodium Trihydrate)

Veterinary Use Only

Sterile

Broad-spectrum antibiotic

For cattle, lactating dairy cattle, horses, swine, lambs and dogs.

### WARNINGS

Treated swine and lambs must not be slaughtered for use in food for at least 24 hours after the latest

Treated swine and lambs must not be slaughtered for use in food for at least 24 hours after the latest treatment with this drug.

No meat withdrawal period or milk withholding time is required for cattle when the drug is used according to the label directions and dosage.

Do not use in calves to be processed for veal.

This drug is not to be administered to horses that are to be slaughtered for use in food.

Antimicrobial drugs, including penicillins and cephalosporins can cause allergic reactions in sensitized individuals. (To minimize the possibility of such a reaction, users of such antimicrobial products, including ceftiofur, are advised to avoid direct contact of the product with the skin and mucous membranes).

- To limit the development of antimicrobial resistance:

   Ceftiofur sodium for Injection should not be used as a mass medication for cattle, swine or any other species. Ceftiofur sodium for Injection should only be used to treat individual animals as per the
- The choice of Ceftiofur sodium for Injection as the most appropriate treatment should be confirmed by clinical experience supported where possible by pathogen culture and drug susceptibility testing.

   The extra-label drug use of Ceftiofur sodium for Injection is not recommended.

KEEP OUT OF REACH OF CHILDREN

Net 4 g

BAM LP Version: Nov-03-17

# Ceftiofur sodium for Injection 4 g pack - Carton-Side Panel-English

This package contains:

4 g Ceftiofur sodium trihydrate for Injection.

Active Ingredient: Ceftiofur (as ceftiofur sodium), 50 mg per mL of reconstituted solution.

Storage: Store unreconstituted product at a temperature between 15° and 25°C.

Reconstituted product - store reconstituted product at a temperature between  $2^\circ$  and  $8^\circ$ C for up 7 days, between  $15^\circ$  and  $30^\circ$  C for up to 12 hours, or frozen for up to 8 weeks. Protect from light.

See package insert for complete product information.

Bio Agri Mix LP

P.O. Box 399, Mitchell, ON. N0K 1N0

### Ceftiofur sodium for Injection

Ceftiofur for Injection (as Ceftiofur Sodium Tribydrafel



Veterinary Use Only

Sterile

DESCRIPTION

Ceftiofur sodium for Injection contains the sodium salt of ceftiofur which is a broad spectrum cephalosporin antibiotic active against Gram-positive and Gram-negative bacteria including 8-lactamase-producing strains. Like other cephalosporins, ceftiofur is bactericidal in vitro as a result of inhibition of cell wall synthesis.

Active ingredient: Each mil. of reconstituted solution contains 50 mg ceftiofur (as ceftiofur sodium).

### ACTION

Celfour sodum has demonstrated excellent in vitro and in vitro activity against Mannheimia haemolytice and Pasteurelle multocida, two of the major pathogenic organisms associated with bovine respiratory disease (pheumonia, shipping fever). This drug has also the property of the past of the pas

In addition, ceftiofur has excellent in vitro activity agains In addition, celliofur has excellent in with activity against other Gram-negative participents, such as Proteur virginis, Klobosile pneumoniae, Saimonella hyphimurium and some in with action against certain strains of Gram-poelitive path logens such as Staphylococcus aureus, Staphylococcus yalicus, Safahylococcus aureus, Staphylococcus suberis and Singlicance of these Singlicance of these Singlicances of the Singlicances of Singli

INDICATIONS

INDICATIONS
Cattle and lactating dairy cattle:
For treatment of bovine respiratory disease (shipping fever, pneumonia) associated with Mannheimia haemolytica.
Pasteurella multipodia and Haemophilus comus. For the treatment of acute bovine interdigital necrobacillosis (foot

rot, pododermatitis) associated with Fusobacterium necrophorum and Bacteroides metaninogenicus...

Horses: For treatment of respiratory infections in horses associated with Streptococcus zopenidemicus.

Swine: For treatment of swine bacterial respiratory disease (swine bacterial pneumonia) associated with Actinobacillus pleuropneumoniae and Pasteurella midioalia.

Lambs: For treatment of respiratory disease (pneumonia) in lambs associated with Mannheimia haemolytica.

Dogs: For the treatment of canine urinary tract infections associated with Escherichia coli and Profeus mirabilis.

### DOSAGE AND ADMINISTRATION

Ceftiofur Sodium for Injection should be reconstituted by adding 20 ml. of bacteriostatic water for injection (containing benzy) alcohol) to each 1 g wial. For ease in reconstitution use an 18 gauge needle or larger.

Ceftiofur Sodium for Injection should be reconstituted by adding 80 mL of bacteriostatic water for injection (containing benzyl alcohol) to each 4 g vial.

Directions for Reconstitution:

- Remove stopper overseal from bacteriostatic water
- Remove stopper overseal from bacteriostate water for injection (containing benzyl alcohol) and sterile powder vials.
   Manually transfer bacteriostatic water for injection (containing benzyl alcohol) to the sterile powder vial using an appropriate needle and syringe prior to use of the product.
- Shake solution until complete reconstitution of powder

Rapid addition of bacteriostatic water for injection (containing benzyl alcohol) maintained at room temperature will give best results. Normally accepted aseptic technique should be followed during reconstitution to avoid microbial

A sterile needle and syringe should be used for each injection. Before withdrawing the solution from the bottle, disinfect the rubber cap on the bottle with suitable disinfectant, such as 70 percent alcohol. The injection site should be similarly cleaned with the disinfectant. Needles of 18 gauge and 1 to 1.5 inches long are adequate for intramuscular injections.

for instamuscular importure.

Administer instrusscular injections by directing the needle of suitable gauge and frequit into the need of cattle, horse and aware. Avoid blood visester and major nerves. Before specifing the solution, put, back gently on the plunger. If solve the suitable in the plunger is before the property of the property of the control of the property of the pro

Cattle and Lastating Daily Cattle Reconstituted Cettionar sodium for Injection should be administered by intermutación recipional participation de la intermutación recipional participation con intermutación recipional participation de intermutación recipional participation de weight, Treatment should be repeated every 24 hours for a lotal of three treatments. Additional treatments may polyven on days four and tivo for animals which do not show a sufficiency response (ser recoverancy) after the install three sufficiency response (ser recoverancy) after the install three

Horses: Reconstituted Cettiofur sodium for injection should be administered by intramuscular injection should be administered by intramuscular injection thorses at a dosage of 2.0 mg cetforur per lig of bodyweighth (2.0 ml. per 60 kg body weighth and repeated every 24 hours. Treatments should be continued for 48 hours after symptoms have disappeared, if no response to observed within 4 - 5 days, the diagnoss should be

Swine: Reconstituted Ceftiofur sodium for Injection should be administered by intramuscular injection to swine at the dosage of 3.0 mg cefflofur per kg of body weight (1 mL per 17 kg body weight). Treatment should be repeated every 24 hours for a lotal of three treatments.

Lambs: Reconstituted Ceftiofur sodium for Injection is to

be administered by inframuscular injection at the dosage of 2.0 mg/kg body weight. Treatment should be repeated at 24 hour intervals for a total of three treatments. Additional treatments may be given on days four and five for animals which do not show a satisfactory response (not recovered) after the initial three treatments.

Dogs: Reconstituted Ceftiofur sodium for Injection should Dogs: reconstituted Cethotur sodium for injection should be administered by subcutaneous injection at a dosage of 2.0 mg cethofur per kig of body weight (0.2 ml. per 5 kg body weight). Treatment should be repeated at 24-hour intervals for 5 - 14 days.

Contraindications

Contraindications
As with all drugs, the use of Ceftiofur sodium for Injection is contraindicated in animals previously found to be hypersensitive to the drug. In the event of a hypersensitivity reaction following the administration of this drug, immediate appropriate therapy should be

CALITIONS

CAUTIONS

1. The use of oefficiar sodium in cattle may result in some signs of immediate and, transient local pain at the injection site. If no improvement is seen within 3 - 5

2. The administration of antibiotics to horses under conditions of stress may be associated with acute diarrhea that could be fatal. If acute diarrhea that could be fatal if acute diarrhea is observed, discontinue use of this drug and initiate observed, discontinue use of this drug and initiate

- special meta-could be fault and the drug and initiate appropriate therapy.

  3 Since safety in breeding swine has not been determined use in animal similar determined, use in animal similar determined, use in animal similar dended for breeding is not recommended.

  4 For horses, safety in breeding animals and suckling state (under 6 morths of app) has not been established. Some such a safety in breeding animals and suckling state (under 6 morths of app) has not been established. Coccasionally been observed in dogs freated with certification for prolonged periods. Thus, the use of this roll is not suckling as the safety of the
- In dogs, safety in breeding, pregnant, lactating and neonatal animals has not been established.

WARNINGS

WARNINGS
Treated savin and lambs must not be slaughtered for use in food for all lead 24 hours after the latest treatment with this food, No meet withdrawal period or milk withholding time is required for cattle when the drug is used according to the inequired for cattle when the drug is used according to the inequired for case in calves to be processed for vest. This drug is not to be administered to horses that are to be slaughtered for use in food Antimicrobial drugs, including periodilins and opphalosporum can cause altergor reactions in serestized exphalosporum can cause altergor reactions in serestized exphalosporum can can cause altergor reactions in serestized and the control of such and the control of such as the con

Cettifour sodium for injection should not be used as a mass medication for calle, where or any other species mass medication for calle, where or any other species treat individual animate as per the indications. Used to treat individual animate as per the indications. The choice of Cettifour sodium for injection as the most appropriate treatment should be confirmed by climical experience supported where possible by a The extra-lated drug use of Cettifour sodium for Injection is not recommended.

KEEP OUT OF REACH OF CHILDREN

NOTE

NOTE

Cattle: Neither a pre-slaughter drug withdrawal interval
nor a milk discard time is required in cattle when this
product is used according to lade directions and discage.
Use of discages in excess of those indicated may result
lingal residues in its issues and/or in milk. Residual
concentrations in milk at all time intervals after last
beatment (e.g., 5, 6, 91.2, 2, 4c., to 120 hours) are well
below the published Sale Concentration of 1.0 ppm which
below the published Sale Concentration of 1.0 ppm which
and horizing data. Drug residue was desented residuals and
of several screening assay procedures commonly used by

the dairy industry. Assay procedures used were Delivotest P\*. Bacillus stearothermophilus disk assay (BSDA) and the cylinderiplate (M. Lideus) assay. Lower limits of detection for microbiologically active residues for these assays, respectively, were 0.05 ppm, 0.08 ppm and 0.015 ppm.

### ANIMAL SAFETY

ANIMA. SAFETY
Cettle: Results from a 5-day tolerance study in normal feeder calves indicated that formulated cefforir codum was well calves indicated that formulated cefforir codum was reported over 55 times (5.5 d ings.) days the comment of the

b baseline values 9 days post-treatment.

In a 15-day satelynizoidy study 5 steer and 5 heller calves per group were intramuccularly administered formulated cellifour sodium at just over 0 (vehicle control, 6-0 to and 20 times the maximum recommended dose of 1.0 mg/kg/dgs) to determine the sately factor and to measure the musicial inflamry potential in the target species. There to be a steel to the sately steel in the sately sately make injected intramuscularly into feeder calves at over 22 times (220 migs) factor machine does not steel to 1.0 times (1.5 days) fine recommended 3 to 5 days of the responsable of the sately sat

me rejection sites at post-relament days 1, 2, 7 and 14. Horses:

In a safety study, hortess received a daily intramuscular injection of either 0 implication (seller 0 omplication (seller 0 omplication) (20 mg/mg/s) (200 mg/mg/s) (200 mg/mg/s) (200 mg/mg/s) (200 mg/mg/s) (200 mg/s) (20

histopathological examination.

In a follerance study, horses received a single daily intravenous influsion of either 0 (saline), 22.0 or 55.0 mg/kg/dy of an apuesus southors (50 mg/ml) of deather for 10 days. The results indicated that certiforts administered intravenously at a dose or 22.0 or 55.0 mg/kg/dy apparently can change the bacterial fora of the large infestine leading to inflammation of the large infestine with subsequent diarrhe and other clinical significance of the control of the co

Swine: Results from a 5-day tolerance study in normal feeder pigs indicated that formulated ceftiofur was well tolerated when admissisted at 1250 mg/kg (nore han 40 limes the recommended dayl dosage of 30 mg/kg of body weight for 5 consecutive days. Ceftiofur sodium administered to the contract of the

To determine the safety factors and to measure the muscle entancy potential in swine, a safety/horcity study was conducted. The barrows and 5 glist per group were said 0,50,150 and 250 mg/kg of body weight for 15 digs which is 0,165,5 and 6.35 times the recommended section of 3.0 mg/kg of body weight/day and 5-times the commended teatment length of 5 digs. There were no adverte systemic effects indicating that formulated cellebular has a wide mising in 5 safety when injected cellebular has a wide mising in 5 safety when injected

infrarruscularly into feeder pigs at the recommended dose of 30 mg/spday for 3 days or at levels up to 8.33 times the recommended length of recommended used for 5 times the recommended length of recommended used for the recommended length of muscle irritant based on results of histopathological evaluation of the injection sites at opts treatment days 7.33 and 4.89 day 10 post injection, the muscle reaction was absolition and at day 15 post injection there was tittle evidence of muscle damage in any of the pigs in any of the leatment groups.

In a 15-day safety/toxicity study in sheep, 3 wether and 3 ewe lambs per group were given formulated ceftiofur sodium by the intramuscular route 0 (sterile water vehicle). 3 or 5 times the recommended dose of 2.0 mg/kg/day for 3 times the recommended maximum duration of 5 days of treatment. There were no adverse systemic effects indicating that formulated ceftiofur is well tolerated and has a wide margin of safety in lambs. Based on examination of injection sites from study days 9 11 13 and 15, a low incidence of visual changes and histopathologic findings of a mild, reversible inflammation from all groups including the controls indicated that the formulation is .a slight muscle irritant.

slight muscle irritant. Dogs:

Cetholar sodium was well tolerated at the therapeutic does and is safe for the treatment of urinary tract does and is safe for the treatment of urinary tract does and is safe for the treatment of urinary tract does and the safe tractic state of the safe tractic state of the safe tractic state is safe to safe the safe tractic state is safe to safe the safe tractic state of th

In the 15-day tolerance study in dogs, exaggerated high subcutaneous doses of 25 and 125 times the recommended subcutaneous desea of 25 and 125 times the recommendate herapositic dose produced a propositive and dose-repositive and dose-repositive and topic state the produced programs and both married and both married whose dose as the exhibiting amenia and both married who cettofur were similar to those socialist with load-time capitalization and ameniation in associated with load-time capitalization and analysis of social times. The heritalization defects are not expected to locus as a result of recommended therapy. STORAGE STORAGE

. Store unreconstituted product at a temperature

between15° and 25°C.

2. Reconstituted product - store reconstituted product at a temperature between 2° and 8°C for up 7 days, between 15° and 30°C .for up to 12 hours, or frozen for up to 8 weeks. Although some breakage may occur with the frozen product, thaw by immersing the vial in hot, running tap water until a clear, ice-free solution is obtained and then use according to label. Do not freeze and thaw reconstituted product more than once.

3. Colour of cake may vary from off-white to tan and does not

affect potency.

4. Protect from light.

PRESENTATION

Ceftiofur Sodium for Injection is available in 1 g (20 mL) and 4 g (100 mL) vials.

Bio Agri Mix LP, P.O. Box 399, Mitchell, ON. NOK INO DIN 02412284