First and Only Sustained-Release Antibiotic
• The first and only antibiotic FDA-approved for horses that offers a full 10-day course of therapy in just two treatments.
• Indicated for the treatment of lower respiratory tract infections caused by susceptible strains of Streptococcus equi spp. zooepidemicus (S. zooepidemicus), the most common cause of equine respiratory infections.¹⁻³

Fewer Doses
• Provides 10 days of therapy in just two treatments to optimize compliance and convenience.⁴
• Fewer administrations mean less potential for missed doses. This means improved compliance.
• Comparative treatments require 10 once- or twice-daily doses. Maintaining multiple treatments at consistent intervals can cause added stress for the horse as well as for those administering the medication.

Safe and Effective
• Provides peace of mind knowing the recommended treatment has been demonstrated to be both safe and effective in horses.

To learn more, talk to your Zoetis representative or visit EXCEDE.com
### Dosage and Administration

When injected intramuscularly, EXCEDE is continuously released into the bloodstream and is rapidly metabolized into its active form. EXCEDE thereby achieves a plasma level above the minimum inhibitory concentration (MIC) for *S. zooepidemicus* of at least four days with the first injection and up to 10 days after two injections, administered 96 hours apart.

**Ceftiofur Concentration in Equine Tissue Following a Single Dose of EXCEDE**

![Ceftiofur Concentration in Equine Tissue Following a Single Dose of EXCEDE](image)

**Tips for Successful Administration**

1. Draw up the calculated dose, based on body weight, into two separate syringes by splitting the dose in half.
2. Place a new 16-gauge x 1.5" needle on the syringe before each intramuscular administration.
3. Bury the needle deep into the cervical or semimembranosus/semitendinosus musculature, making sure to aspirate for blood prior to injection.
4. Inject the total volume of each syringe in two physically separate locations.
5. Do not redirect needle and syringe during injection.

To learn more, talk to your Zoetis representative or visit EXCEDE.com

### IMPORTANT SAFETY INFORMATION

People with known hypersensitivity to penicillin or cephalosporins should avoid exposure to EXCEDE. EXCEDE is contraindicated in animals with known allergy to ceftiofur or to the β-lactam group (penicillins and cephalosporins) of antimicrobials. Do not use in horses intended for human consumption. The administration of antimicrobials in horses under conditions of stress may be associated with diarrhea, which may require appropriate veterinary therapy. See full Prescribing Information at EXCEDE.com/equinePI.

---


---

All trademarks are the property of Zoetis Services LLC or a related company or a licensor unless otherwise noted.

© 2017 Zoetis Services LLC. All rights reserved. EXQ-00012
For intramuscular injection in the horse.

CAUTION

Federal (USA) law restricts this drug to be used by or on the order of a licensed veterinarian. Federal Law prohibits extra-
label use of this drug in cattle for disease prevention purposes; at unapproved doses, frequencies, durations, or routes of administration; and in unapproved major food producing species/production classes.

DESCRIPTION

EXCEDE Sterile Suspension is a ready-to-use formulation that contains the crystalline free acid of ceftiofur, which is a broad spectrum cephalosporin antibiotic active against Gram-positive and Gram-negative bacteria including β-lactamase-producing strains. Like other cephalosporins, ceftiofur is β-lactamase-stable, which makes it resistant against inhibition of cell wall synthesis.

INDICATION

EXCEDE Sterile Suspension is indicated for the treatment of lower respiratory tract infections in horses caused by susceptible strains of Streptococcus equi subsp. zooepidemicus.

DOSAGE AND ADMINISTRATION

Shake well before using. Administer 10 mL (0.5 mg/lb or 1.1 mg/kg) of suspension at a dose of 3.0 mg/lb (6.6 mg/kg) BW at a 96 hour interval or NAXCEL Sterile Powder at a dose of 1.0 mg/lb (2.2 mg/kg) BW oneway daily for 10 consecutive days. Please refer to Table 1. Dosing Schedule for EXCEDE Sterile Suspension for more information.

CONTRAINDICATIONS

EXCEDE Sterile Suspension is contraindicated in horses with known allergy to ceftiofur or to β-lactam (penicillins and cephalosporins) group antimicrobials. Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care.

WARNINGS

Not for use in humans. For use in animals only. Keep this drug and all drugs out of reach of children. Consult a physician in case of accidental human exposure.

Do not use in horses intended for human consumption. Pencillins and cephalosporins can cause allergic reactions in sensitized individuals. Topical exposure to such antimicrobials, including ceftiofur, may elicit mild to severe allergic reactions in some individuals. Repeated or prolonged intramuscular administration may lead to sensitization. Avoid direct contact of the product with the skin, eyes, mouth and clothing. Sensitization of the skin may be avoided by wearing protective gloves. Persons with a known sensitivity to pencillins or cephalosporins should avoid exposure to this product. In the case of accidental eye exposure, flush with water for 15 minutes. In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing. If allergic reaction occurs (e.g. skin rash, hives, difficult breathing) seek medical attention.

ANTIBACTERIAL WARNING

Use of antibacterial drugs in the absence of a susceptible bacterial infection is unlikely to provide benefit to treated animals and may increase the risk of the development of drug-resistant bacteria.

PRECAUTIONS

The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.

ADVERSE REACTIONS

The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites (see ANIMAL SAFETY). A total of 373 horses of various breeds, ranging in age from 4 months to 20 years, were included in the field study. The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites. In the study, 2 horses had small areas of firmness that had not resolved at the end of the study (21 days after injection). In both cases, the injection sites resolved per injection site. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. ANIMAL SAFETY

The injection site reactions in EXCEDE-treated horses resolved over 1 to 20 days. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.

ADVERSE REACTIONS

The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites (see ANIMAL SAFETY). A total of 373 horses of various breeds, ranging in age from 4 months to 20 years, were included in the field study. The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites. In the study, 2 horses had small areas of firmness that had not resolved at the end of the study (21 days after injection). In both cases, the injection sites resolved per injection site. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. ANIMAL SAFETY

The injection site reactions in EXCEDE-treated horses resolved over 1 to 20 days. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.

ADVERSE REACTIONS

The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites (see ANIMAL SAFETY). A total of 373 horses of various breeds, ranging in age from 4 months to 20 years, were included in the field study. The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites. In the study, 2 horses had small areas of firmness that had not resolved at the end of the study (21 days after injection). In both cases, the injection sites resolved per injection site. There were no observations of erythema, necrosis or drainage at the injection sites in these studies.

ANIMAL SAFETY

The injection site reactions in EXCEDE-treated horses resolved over 1 to 20 days. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.

ADVERSE REACTIONS

The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites (see ANIMAL SAFETY). A total of 373 horses of various breeds, ranging in age from 4 months to 20 years, were included in the field study. The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites. In the study, 2 horses had small areas of firmness that had not resolved at the end of the study (21 days after injection). In both cases, the injection sites resolved per injection site. There were no observations of erythema, necrosis or drainage at the injection sites in these studies.

ANIMAL SAFETY

The injection site reactions in EXCEDE-treated horses resolved over 1 to 20 days. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.

ADVERSE REACTIONS

The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites (see ANIMAL SAFETY). A total of 373 horses of various breeds, ranging in age from 4 months to 20 years, were included in the field study. The injection of EXCEDE Sterile Suspension in the horse may cause firmness, swelling, sensitivity, and/or edema at the injection sites. In the study, 2 horses had small areas of firmness that had not resolved at the end of the study (21 days after injection). In both cases, the injection sites resolved per injection site. There were no observations of erythema, necrosis or drainage at the injection sites in these studies.

ANIMAL SAFETY

The injection site reactions in EXCEDE-treated horses resolved over 1 to 20 days. There were no observations of erythema, necrosis or drainage at the injection sites in these studies. The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea. If it is fatal, a severe fever is observed, additional doses of EXCEDE should not be administered and appropriate supportive therapy should be initiated.

Due to the extended exposure in horses, based on the drug’s pharmacokinetic properties, adverse reactions may require prolonged care. EXCEDE is slowly eliminated from the body; consequently 17 days needed to eliminate 61% of the dose from the body. Animals experiencing adverse reactions may need to be monitored for this duration of time.

The use of ceftiofur has not been evaluated in horses less than 4 months of age and in breeding, pregnant, or lactating horses. The long term effects on injection sites have not been evaluated.