

Veterinary Use Only

Injection

Ceftiofur Crystalline Free Acid Sterile Suspension

AVANTE PLUS 100mg/mL **CONTENT :** Each mL contains
Ceftiofur crystalline free acid - - - - - 100mg**PRODUCT DESCRIPTION :** White suspension**PHARMACODYNAMICS :**

Ceftiofur is a third generation cephalosporin antibiotic, which is active against many Gram-positive and Gram-negative pathogens. Ceftiofur inhibits the bacterial cell wall synthesis, thereby exerting bactericidal properties. Ceftiofur is particularly active against the following target pathogens causing respiratory and other diseases in pigs : *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Haemophilus parasuis* and *Streptococcus suis*. *Bordetella bronchiseptica* is inherently insensitive to ceftiofur in vitro. Desfuroylceftiofur is the principal active metabolite. It has an antimicrobial activity similar to that of ceftiofur against the target pathogens.

PHARMACOKINETICS :

After administration, ceftiofur is quickly metabolised to desfuroylceftiofur, the principal active metabolite. Protein binding of ceftiofur and its major metabolite is approximately 70%. One hour after a single administration, plasma concentrations are above 1 µg/mL. Maximum concentrations in plasma (4.2±0.9 µg/mL) are reached at approximately 22 hours after administration. Plasma concentrations above 0.2 µg/mL of ceftiofur and its metabolite are maintained for an appropriate period of time. Approximately 60% and 15% of the dose are excreted in the urine and faeces, respectively, within 10 days after administration.

INDICATION :

Treatment of Swine Respiratory Disease (SRD) caused by *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Haemophilus parasuis* and *Streptococcus suis*

DOSAGE AND ADMINISTRATION :

For intramuscular injection
Inject 1mL (as Ceftiofur 100mg) of Avante Plus Injection per 20kg body weight.
No more than 2,0mL should be injected in a single injection site.
If symptoms don't improve within 3-5 days, seek a veterinarian again.

CONTRAINDICATIONS :

Do not use on animals that have had shock or hypersensitivity reaction to this drug.

WARNINGS/PRECAUTIONS :**i. Special precautions for use in animals.**

Do not mix any other drugs.
Shake well before use and use sterile syringe & needle to each animal.
Disinfect injection the site with 70% alcohol before injection to prevent suppuration or inflammation at injection site may occur.
Inject correctly to prevent pain, hardness and abscess at injection site.

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210215**ii. Special precautions to be taken by the person administering the veterinary medicinal product to animals.**

Wear the protective equipment such as gloves, mask to avoid direct contact with skin and inhalation.
In case of contact with skin or eyes, rinse immediately with plenty of water and seek medical advice as soon as possible.
If you have any questions about the product, please contact the manufacturer or local retailer.

iii. Other precautions

Please follow to the prescribed storage method as it may lead to changes in effectiveness and stability.
Do not use products that have passed the expiration date and dispose them safely.
After opening, please use as soon as possible and keep the original packing containers sealed in a place where moisture and light rays are blocked.
Use by veterinarian's instruction, and veterinary use only.
This is drugs for animal use, so do not use the product for human.
Keep the recommended dosage and administration.
Keep the withdrawal period.
Keep out of reach of children and animals.
Since safety and effectiveness other than the designated livestock species has not been established, please do not use it arbitrarily.
Read instruction manuals completely before use.

DRUGS INTERACTIONS :

Do not use with Aminoglycosides, Penicillin or Chloramphenicol antibiotics.
Do not use with the drugs that have kidney toxicity such as parenteral Aminoglycosides or Amphotericin B.

PREGNANCY AND LACTATION :

Pregnant pig and Gilts to farrowing should be administered with caution for safety.

ADVERSE EFFECTS :

In the case of Intramuscular injection, temporary pain or local tissue reactions may occur at the injection site.

OVERDOSE AND TREATMENT :

Please observe the prescribed usage in order to prevent medication misadventure caused by abuse and residual livestock products.

TO BE PRESCRIBED AND TREATED BY REGISTERED VETERINARY SURGEONS ONLY

STORAGE CONDITIONS : Store in a cool place and dark place with dry condition to avoid moisture. Do not store above 30°C.

PROPOSED SHELF LIFE AFTER FIRST OPING : After opening, the product should be used immediately.

WITHDRAWAL PERIOD(S) : Meat and offal : 14 days

DOSAGE FORMS AND PACKAGING AVAILABLE : 50mL brown-glass bottle closed with sterile type I butylsepta and aluminum seals.

DATE OF REVISION OF PACKAGE INSERT : 15 FEB 2021

Manufactured by
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