



**Dairy
Details**
June 2018

Editor: Lindsey Borst DVM

NORTHERN VALLEY DAIRY PRODUCTION MEDICINE CENTER

Ceftiofur residues on the rise... What can you do to prevent them?

Note: This following article is adapted from a recent announcement made by the American Association of Bovine Practitioners.

What's the Issue?

Over the past six years, ceftiofur (Excede, Excenel, Naxcel, and Spectramast) meat residues have become an increasing concern, particularly in market dairy cows. In 2017, market dairy cattle represented 90% of the 199 total ceftiofur violations in all cattle production classes. Ceftiofur antibiotics are a third generation cephalosporin and are considered a "critically important antimicrobial" in human medicine, making these residues a possible perception concern by the general public. With so few antibiotic choices to choose from for lactating dairy cows, the dairy industry needs to address this issue in order to keep valuable tools, such as ceftiofur antibiotics, for keeping our cows healthy.

What Can We do to Minimize the Risk of Ceftiofur Residue Violations?

According to data from the FDA, illegal extralabel drug use was determined to be the cause of the violation in 69% of the inspections. Extralabel drug is when a drug is used in any way other than what is on the label, whether it is route, dosage, indication, etc. Because ceftiofur antibiotics are considered an important antibiotic to human medicine, it is illegal to use these products off label at all except for indication.



This means you have to follow the label exactly for dose, route, and duration of treatment. However, you can use these antibiotics for an off label indication for example in a cow that just had a DA surgery or has toxic mastitis, as long as it is the correct dosage, route and duration.

This table shows reasons inspectors found for ceftiofur residues.

	% of Cases
Incorrect withdrawal period	66%
Exceeding the dose and/or amount per injection site	24%
Incorrect frequency or duration	13%
Incorrect route of administration	7%
Incorrect conditions of use	5%

CHECK US OUT ON [FACEBOOK](#) AND [DAIRYMED.COM!](#)

Northern Valley Dairy Production Medicine Center

Producers & Veterinarians can reduce Ceftiofur residues by:

- Administer ceftiofur only for the labeled regimen (dose, route, frequency or duration)
- Follow withdrawal times for the specific ceftiofur formulation administered
- Keep detailed treatment records for all treated cows including animal ID, date(s) treated, disease, route, dosage, and when she can return to the bulk tank and/or be sold.
- Return treated animals to good health or euthanize them; Don't send animals to market that shouldn't be sent! These animals are unfit to consume, are targeted for inspector-generated sampling, and may be metabolically compromised leading to delayed drug elimination.



Again, ceftiofur antibiotics (Excede, Excenel, Naxcel and Spectramast) are wonderful tools that we can use to bring sick cows back to health. Using these products is a PRIVILEGE NOT A RIGHT. Therefore, making it very important that we practice responsible drug use when using all antibiotics.

Customer Appreciation Lunch
Wednesday, June 6!

Please join us for a brisket lunch, ice cream, door prizes (including a Bonnie Mohr print) and socializing for our annual customer appreciation day! Lunch will be served behind our clinic in Plainview from 11:00-1:00 on Wednesday, June 6th! We look forward to seeing you there!

CHECK US OUT ON [FACEBOOK](#) AND [DAIRYMED.COM!](#)

Northern Valley Dairy Production Medicine Center