

Team Name \_\_\_\_\_

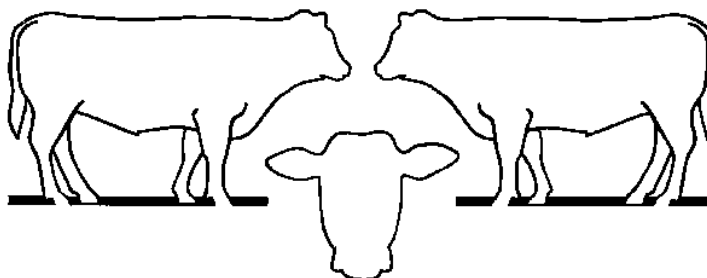
### 2017 Block and Bridle Stockman's Contest - Senior Team Problem

Given the following medications, Excenel and NuflorGold, please fill out the chart below with information from the label. Assume that you are giving these injections to a 1,200 lb. steer that is experiencing respiratory disease (5 points per box / 40 points total).

|    | Product    | Content | Route | Dose / 100 lbs. | Withdrawal Period |
|----|------------|---------|-------|-----------------|-------------------|
| 1. | Excenel    |         |       |                 |                   |
| 2. | NuflorGold |         |       |                 |                   |

Routes: IM = intramuscular, SQ = subcutaneous, T = Topical, ID = intradermal, IN = intranasal, ET = ear tag

3. Indicate on the pictures where each product will be administered (10 points per product/20 points total).



4. For Excenel (5 points each / 15 points total):
- How many total mL should be injected to treat the animal?
  - How many injection sites would it take to adhere to label directions?
  - If today, February 24, 2017, was the last day of treatment, when can the animal go to slaughter?
5. For NuflorGold (5 points each / 15 points total):
- How many total mL should be injected to treat the animal?
  - How many injection sites would it take to adhere to label directions?
  - If today, February 24, 2017, was the last day of treatment, when can the animal go to slaughter?

6. Which of these two products could also be used to treat foot rot (5 points)?
7. If a product is labeled for intramuscular or subcutaneous administration routes, which is the preferred route (5 points)?

## Excenel label information:

250 ML

**EXCENEL® RTU EZ**  
*Ceftiofur Hydrochloride*  
Sterile Suspension

Equivalent to  
**50MG PER ML CEFTIOFUR**

**For intramuscular injection in swine.**  
**For intramuscular and subcutaneous injection in cattle.**  
**This product may be used in lactating dairy cattle.**  
**Not for use in calves to be processed for veal.**

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

For Use in Animals Only  
NADA 141-288, Approved by FDA

**zoetis**

For Once Daily Injection — See Package Insert

|                  |                   |        |
|------------------|-------------------|--------|
| 1 mL/50 - 100 lb | 0.5 - 1 mg/lb     | Cattle |
| 1 mL/22 - 37 lb  | 1.86 - 2.27 mg/lb | Swine  |

**Warning:** Not for human use. Keep out of reach of children. To avoid possible allergic reactions, users are advised to avoid direct contact of this product with the skin or other mucous membranes. See package insert for complete product information.

**RESIDUE WARNINGS**

**Swine:** When used according to label indications, dosage and route of administration, treated swine must not be slaughtered for 4 days following the last treatment. Use of dosages in excess of those indicated or by unapproved routes of administration may result in illegal residues in edible tissues. **Cattle:** When used according to label indications, dosage and route of administration, treated cattle must not be slaughtered for 4 days following the last treatment. When used according to label indications, dosage and route of administration, a milk discard time is not required. Uses of dosages in excess of those indicated or by unapproved routes of administration, such as intramammary, may result in illegal residues in edible tissues and/or milk. A withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.

Store at controlled room temperature 20° to 25° C (68° to 77° F); excursions permitted 15° to 40° C (59° to 104° F). Protect from freezing. Shake well before using. Contents should be used within 42 days after the first dose is removed.

**Each mL contains:** ceftiofur hydrochloride equivalent to 50 mg ceftiofur, 2.50 mg polyoxyethylene sorbitan monooleate (polysorbate 80), 6.5 mg water for injection in a caprylic/capric triglyceride (Miglyol® 812) suspension.

Distributed by: Zoetis Inc., Kalamazoo, MI 49007

### For bovine respiratory disease and foot rot:

- Administer by intramuscular or subcutaneous administration at the dosage of 1 to 2 mL per 100 lbs. body weight (BW).
- Administer daily at 24-hour intervals for a total of three consecutive days. *Additional treatments may be administered on days four and five for animals that do not show a satisfactory response (not recovered) after the initial three treatments.*
- For BRD only, administer intramuscularly or subcutaneously 2 mL/100 lbs. BW every other day on days one and three (48-hour interval). Do not inject more than 15 mL per injection site.
- Selection of dosage level and regimen/duration should be based on an assessment by the herd veterinarian.

### For acute postpartum metritis:

- Administer by intramuscular or subcutaneous administration at the dosage of 2 mL per 100 lbs. BW.
- Administer at 24-hour intervals for five consecutive days. Do not inject more than 15 mL per injection site.

## NuflorGold label information:

**NuflorGold**  
(florfenicol) <sup>TM</sup>

**Injectable Solution, An Antimicrobial**  
For subcutaneous use in beef and non-lactating dairy cattle only  
Not for use in female dairy cattle 20 months of age or older or in calves to be processed for veal  
**Caution:** Federal law restricts this drug to use by or on the order of a licensed veterinarian  
NADA 141-265, Approved by FDA

**Intervet**  
Schering-Plough Animal Health NDC 0061-5327-01

100 mL Multiple Dose Vial • 300 mg/mL • Sterile

**RESIDUE WARNINGS:** Animals intended for human consumption must not be slaughtered within 44 days of treatment. Do not use in female dairy cattle 20 months of age or older. Use of florfenicol in this class of cattle may cause milk residues. A withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.

**STORAGE INFORMATION:** Store between 2°- 30°C (36°- 86°F). Use within 28 days of first use. Refrigeration is not required. The solution is light yellow to straw colored. Color does not affect potency.

**See Product Information insert for complete directions and warnings before using.**

**DESCRIPTION:** NUFLOR GOLD™ is an injectable solution of the synthetic antibiotic florfenicol. Each milliliter of sterile NUFLOR GOLD™ contains 300 mg of florfenicol, 300 mg of 2-pyrrolidone, and triacetin qs.

**INDICATION:** NUFLOR GOLD™ is indicated for treatment of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni*, and *Mycoplasma bovis* in beef and non-lactating cattle.

**DOSAGE AND ADMINISTRATION:** NUFLOR GOLD™ should be administered once by subcutaneous injection at a dose rate of 40 mg florfenicol/kg body weight (6 mL/100 lb). Do not administer more than 15 mL at each site. The injection should be given only in the neck. Injection sites other than the neck have not been evaluated.

For customer service, to report suspected adverse reactions, or to obtain a copy of the MSDS, call 1-800-211-3573.

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