**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).

<table>
<thead>
<tr>
<th>Product</th>
<th>Content</th>
<th>Route</th>
<th>Dose / 100 lbs.</th>
<th>Withdrawal Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Excenel</td>
<td>Ceftiofur hydrochloride</td>
<td>IM or SQ</td>
<td>2 mL</td>
<td>4 days</td>
</tr>
<tr>
<td>2. NuflorGold</td>
<td>florfenicol</td>
<td>SQ</td>
<td>6 mL</td>
<td>44 days</td>
</tr>
</tbody>
</table>

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):
   a. How many total mL should be injected to treat the animal?
      **24 mL**
   
   b. How many injection sites would it take to adhere to label directions?
      **2**
   
   c. If today, February 24, 2017, was the last day of treatment, when can the animal go to slaughter?
      **2/24/17**

5. For NuflorGold (5 points each / 15 points total):
   a. How many total mL should be injected to treat the animal?
      **72 mL**
   
   b. How many injection sites would it take to adhere to label directions?
      **5**
   
   c. If today, February 24, 2017, was the last day of treatment, when can the animal go to slaughter?
      **4/9/17**
6. Which of these two products could also be used to treat foot rot (5 points)?
   Excenel

7. If a product is labeled for intramuscular or subcutaneous administration routes, which is the preferred route (5 points)?
   Subcutaneous
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:

RESIDUE WARNINGS: Animals intended for human consumption must not be slaughtered within 44 days of treatment. Do not use in females during the first 20 months of age or older as calcium is processed for feed.

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.

DESCRIPTION: NUFLOR GOLD™ is an injectable solution of the synthetic antibiotic Florfenicol. Each milliliter of NUFLOR GOLD™ contains 300 mg of Florfenicol, 300 mg of 2-pyrroldino, and tisoxacin.