BQA: Animal Health Stewardship & Product Care

Nebraska BEEF QUALITY ASSURANCE
bqa.unl.edu

ROB EIRICH
DIRECTOR OF BEEF QUALITY ASSURANCE
EXTENSION EDUCATOR
Animal Health & Antibiotic Stewardship

Antimicrobial stewardship refers to coordinated interventions designed to improve and measure the appropriate use of antimicrobials by promoting the selection of the optimal antimicrobial drug treatment plan, dose, duration of therapy, and route of administration.

Antimicrobial stewards seek to achieve optimal clinical outcomes related to antimicrobial use, minimize toxicity and other adverse events, reduce the costs of health care for infections, and limit the selection for antimicrobial resistant strains.
Vaccination Handling and Storage

- COOL STORAGE & TRANSPORTATION
  - 35°F TO 45°F

- OUT OF DIRECT SUNLIGHT
  - UV LIGHT

- MIXING MODIFIED LIVE VACCINE
  - AS NEEDED
  - 1 HOUR PRIOR TO ADMINISTRATION

- SYRINGES AND NEEDLES
  - USE SAME SYRINGE FOR MLV
  - PROPER NEEDLE SIZE
Handling Antibiotics

- STORAGE & HANDLING
  - CLEAN
  - DRY
  - PROPER TEMPERATURE
    - BELOW 77°F
    - BELOW 86°F
    - BETWEEN 59°C-77°F
    - BETWEEN 59°C-86°F
    - BETWEEN 68°C-86°F
Animal Health Labels

See package insert for complete product information. For bovine and swine respiratory disease, infectious bovine keratoconjunctivitis, and bovine foot rot. Cattle: Inject subcutaneously in the neck at 2.5 mg/kg (1.1 mL/100 lb) body weight (BW). Maximum 10 mL per injection site. Swine: Inject intramuscularly in the neck at 2.5 mg/kg (0.25 mL/22 lb) BW. Maximum 2.5 mL per injection site.

WARNINGS: FOR USE IN ANIMALS ONLY. NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR USE IN CHICKENS OR TURKEYS.

RESIDUE WARNINGS
Cattle intended for human consumption must not be slaughtered within 18 days from the last treatment. Do not use in female dairy cattle 20 months of age or older. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Swine intended for human consumption must not be slaughtered within 5 days from the last treatment.

STORAGE CONDITIONS: Store at or below 25°C (77°F)
To report a suspected adverse reaction call 1-800-369-3288
To request a material safety data sheet call 1-800-733-5500
www.DRAXXIN.com; 1-888-DRAXXIN
Distributed by: Pfizer Animal Health, Div. of Pfizer Inc, NY, NY 10017
Made in France

100 mg of tulathromycin/mL
For use in beef cattle, non-lactating dairy cattle, and swine. Not for use in female dairy cattle 20 months of age or older or 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.

Net Contents: 100 mL

NADA 141-384, Approved by FDA

NEBRASKA BQA
Animal Health Labels

Each mL contains 200 mg of oxytetracycline base as oxytetracycline amphoteric. For the treatment of disease in beef cattle, dairy cattle, and swine.

Warning: Discontinue treatment for at least 28 days prior to slaughter of cattle and swine. Milk taken from animals during treatment and for 96 hours after the last treatment must not be used for food.

Caution: When administered to cattle, muscle discoloration may necessitate trimming of the injection site(s) and surrounding tissues during the dressing procedure.

Restricted Drug (California): Use only as directed. Keep out of reach of children.

For use in animals only.

Refer to folded label attached to this container for complete directions.


U.S. Patent No. 5,075,295

Manufactured for:
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 USA.

Bio-Mycin® 200
(oxytetracycline) Injection
Antibiotic
200 mg/mL
ANADA 200-008, Approved by FDA
Net Contents: 250 mL
• STORAGE TEMP: 68°-77°F
• USE WITHIN 12 WEEKS OF FIRST DRAW
Animal Health Labels

- STORAGE TEMP: 36°-86°F
- USE WITHIN 28 DAYS OF FIRST DRAW
Proper Storage Temperature??

**PICKUP INTERIOR**
- DEC. A.M.
- 1 HR DRIVE WITH HEATER

- **PICKUP INTERIOR**
- **REFRIGERATOR**
- **ROOM TEMPERATURE**

- 24 DEGREES F
- 84 DEGREES F
- 35 DEGREES F
- 72 DEGREES F
- -5 DEGREES C
- 29 DEGREES C
- 2 DEGREES C
- 22 DEGREES C

NEBRASKA BQA
REFRIGERATORS

- CLEAN
- MAINTAIN TEMPERATURE
- DON’T STORE IN DOOR
- KEEP CURRENT
- CHECK EXPIRATION DATES
- DISPOSE USED MIXED MLV
# Syringe and Needle Size

<table>
<thead>
<tr>
<th>Injectable Viscosity</th>
<th>Route of Administration</th>
<th>Cattle Weight</th>
<th>Cattle Weight</th>
<th>Cattle Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SQ (1/2 to 3/4 inch needle)</td>
<td>&lt; 300</td>
<td>300-700</td>
<td>&gt; 700</td>
</tr>
<tr>
<td>Thin</td>
<td>Example: Most Vaccines</td>
<td>18 gauge</td>
<td>18-16 gauge</td>
<td>16 gauge</td>
</tr>
<tr>
<td>Thick</td>
<td>Example: Thick Antibiotics</td>
<td>18-16 gauge</td>
<td>18-16 gauge</td>
<td>16-14 gauge</td>
</tr>
</tbody>
</table>

Select the needle to fit the cattle size (use the smallest practical size without fear of bending).
Changing Needles

How often do you replace your needles?

Proudly Producing Safe, Wholesome and Healthy Beef

* ANAPLASMOSIS – BLOODBORNE DISEASES

NEBRASKA BQA
Compendium of Veterinary Products

WEBSITE: • BAYERALL.NACCVP.COM

MOBILE APP: • GOOGLE PLAY • APP STORE - CVP VET

NEBRASKA BQA EXTENSION
Resources

- UNL BEEF PAGE (BEEF.UNL.EDU)
- NEBRASKA BQA (BQA.UNL.EDU)
- NATIONAL BQA (BQA.ORG)
- COMPRENDIUM OF VETERINARY PRODUCTS (BAYER)
Questions??

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