



Rob Eirich
NEBRASKA BQA

***BQA:
Animal Health
Stewardship &
Product Care***



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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

OUTSIDE
TEMP:
38° F



- **STORAGE & HANDLING**
 - CLEAN
 - DRY
 - PROPER TEMPERATURE
 - BELOW 77°F
 - BELOW 86°F
 - BETWEEN 59°F-77°F
 - BETWEEN 59°F-86°F
 - BETWEEN 68°F-86°F



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EXTENSION

Animal Health Labels



PULL SLOWLY TO OPEN

120-300-373

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 1-800-368-5288
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

8174000
8712053



Draxxin®
(tulathromycin)
Injectable Solution
Antibiotic

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 141-244, Approved by FDA



Animal Health Labels

B4C5
Lot No.
Exp. Date

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.


Store at controlled room temperature 15°-25° C (59°-77° F). Exposure to colder temperatures may cause cloudiness. Gently warm the product to restore clarity. Handle aseptically.

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

Manufactured for:
Boehringer Ingelheim Vetmedica, Inc.
St. Joseph, MO 64506 U.S.A.

 **Boehringer
Ingelheim**

81379115
81378305, R.O



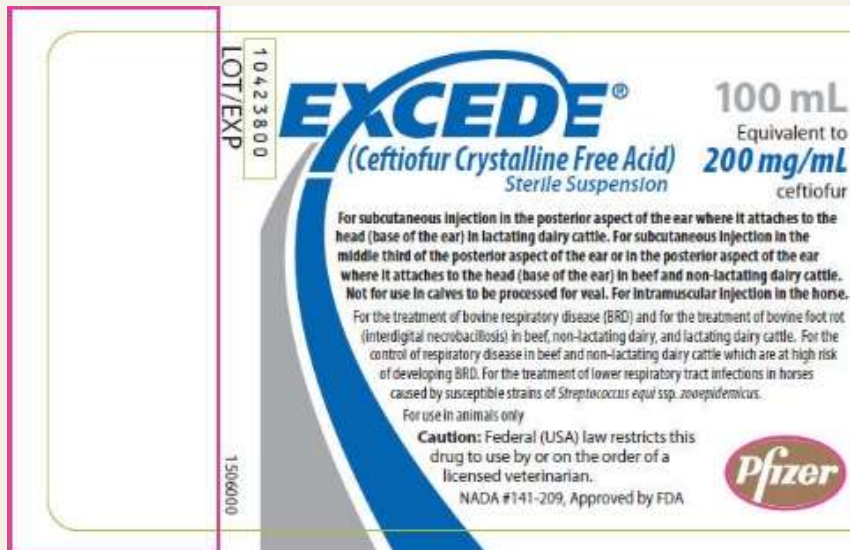
Bio-Mycin® 200
(oxytetracycline) Injection
Antibiotic

200 mg/mL

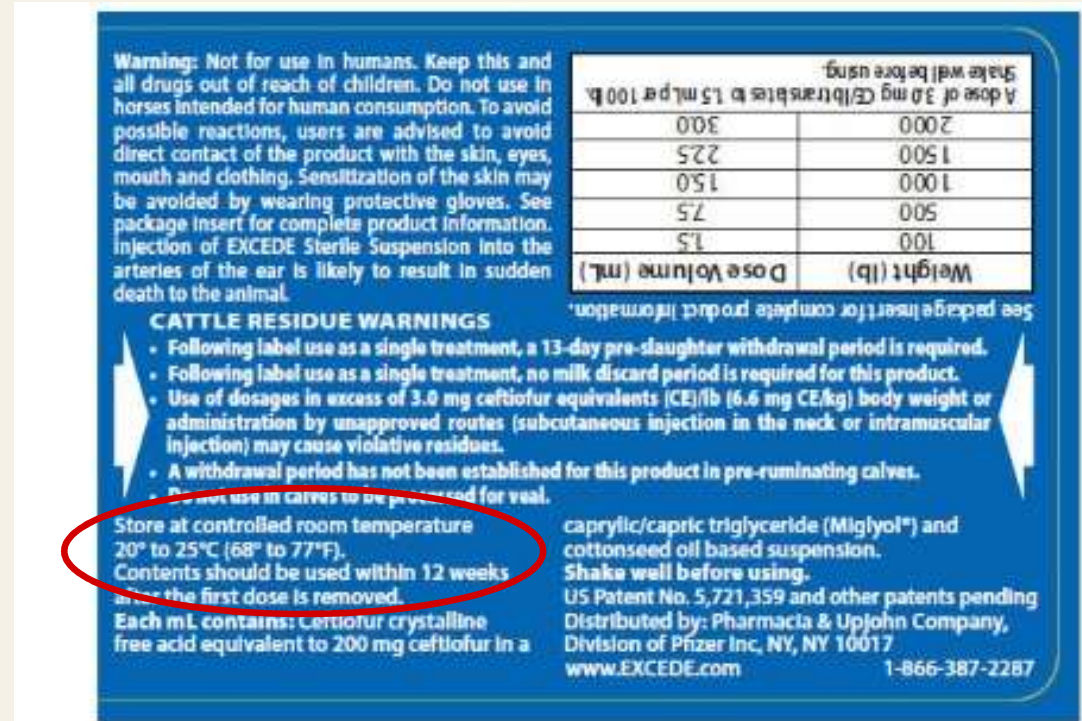
ANADA 200-008, Approved by FDA

Net Contents: 250 mL


Animal Health Labels



- STORAGE TEMP: 68°-77°F
- USE WITHIN 12 WEEKS OF FIRST DRAW



Animal Health Labels



Nuflor^{GOLD}
(florfenicol)

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 141-255. Approved by FDA.

Intervet
Innovating Through Animal Health

NDC 0081-5327-03
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 attached Product Information insert for complete directions and warnings before using. To view Product Information insert, open along the left side of the label starting at the tab in the lower left corner.

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-pyridones, and triacetin qs.

INDICATION: NUFLOR GOLD™ is indicated for treatment of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni*, and *Aeropyrum aerophilum* 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.

Intervet Inc., Kenilworth, NJ 07033
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31338506 7/09

U.S. 1613

- STORAGE TEMP: 36°-86°F
- USE WITHIN 28 DAYS OF FIRST DRAW

Proper Storage Temperature??

PICKUP INTERIOR
DEC. A.M.



24 DEGREES F
-5 DEGREES C

PICKUP INTERIOR
1 HR DRIVE WITH HEATER



84 DEGREES F
29 DEGREES C
EXTERIOR 22 F

REFRIGERATOR



35 DEGREES F
2 DEGREES C

ROOM TEMPERATURE



72 DEGREES F
22 DEGREES C

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REFRIGERATORS

- CLEAN
- MAINTAIN TEMPERATURE
- DON'T STORE IN DOOR
- KEEP CURRENT
- CHECK EXPIRATION DATES
- DISPOSE USED MIXED MLV

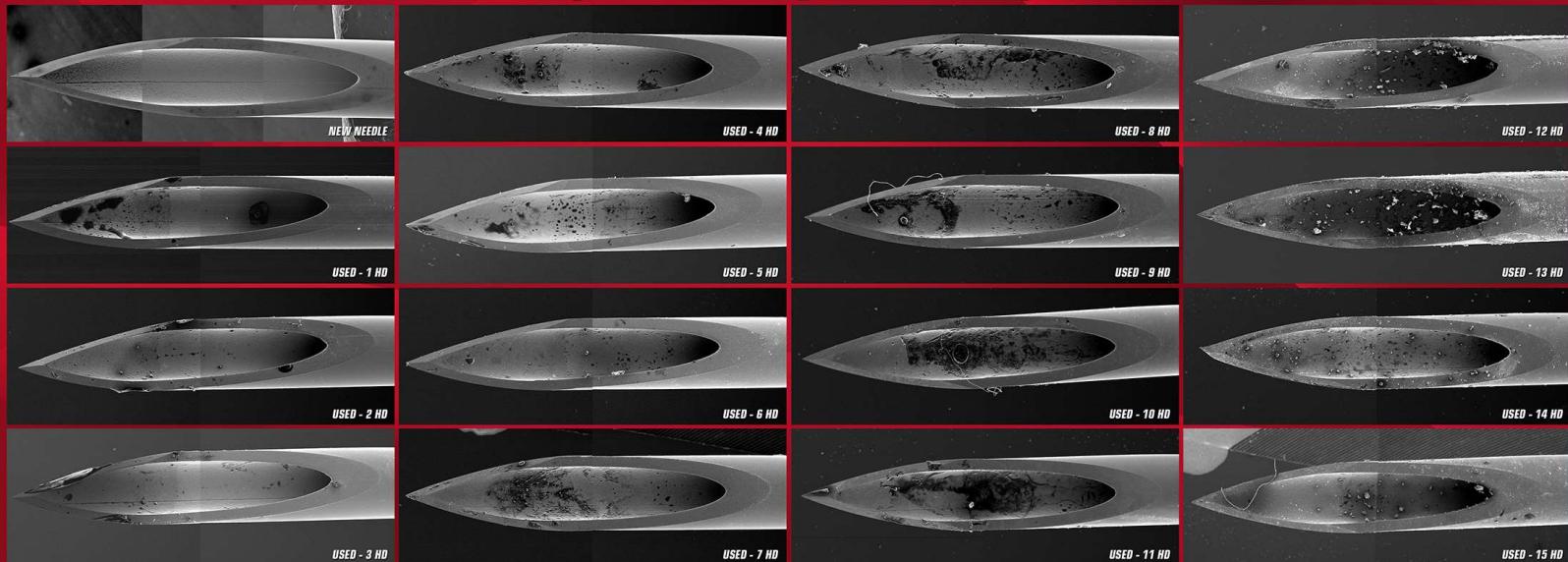


Syringe and Needle Size

| Injectable Viscosity | Route of Administration | | | | | | | | |
|--|---------------------------------|----------------|----------------|--------------------------------|----------------|----------------|---------------------------------|----------------|----------------|
| | S Q (1/2 to 3/4 inch needle) | | | I M (3/4 to 1 inch needle) | | | I V (1 to 1 1/2 inch needle) | | |
| | Cattle Weight | | | Cattle Weight | | | Cattle Weight | | |
| | < 300 | 300-700 | > 700 | < 300 | 300-700 | > 700 | < 300 | 300-700 | > 700 |
| Thin Example: Most Vaccines | 18 gauge | 18-16 gauge | 16 gauge | 20 -18 gauge | 18-16 gauge | 18-16 gauge | 18-16 gauge | 18-16 gauge | 16-14 gauge |
| Thick Example: Thick Antibiotics | 18-16 gauge | 18-16 gauge | 16-14 gauge | 18-16 gauge | 18-16 gauge | 16 gauge | 18-16 gauge | 18-16 gauge | 16-14 gauge |
| 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

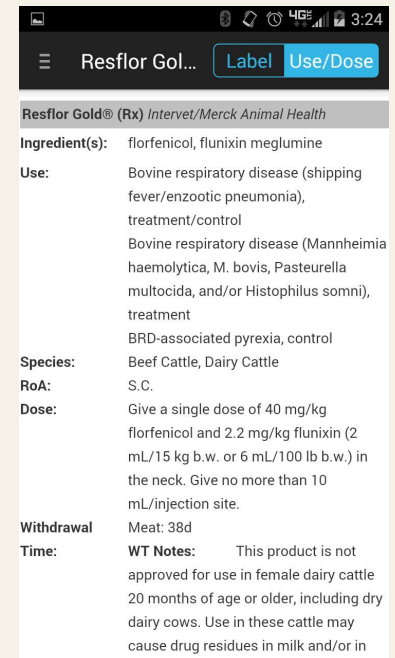
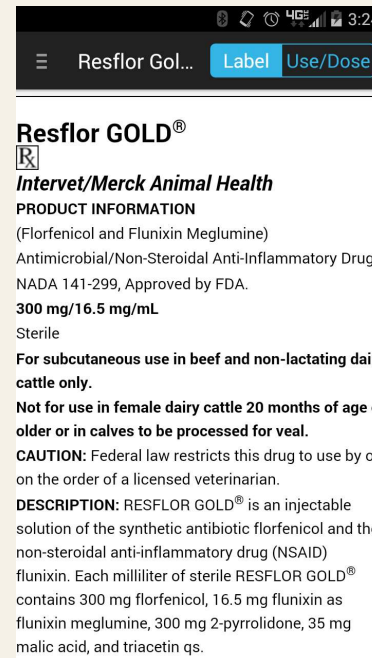
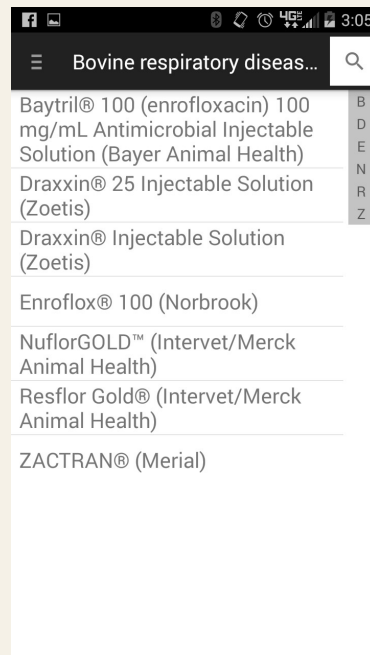
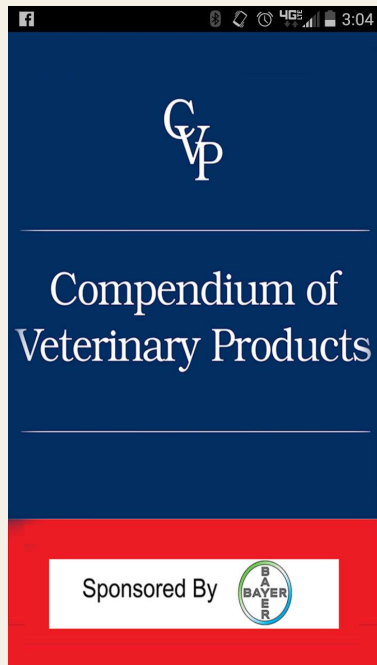


*** ANAPLASMOSIS – BLOODBORNE DISEASES**

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EXTENSION

Compendium of Veterinary Products



WEBSITE:

- BAYERALL.NACCVP.COM

MOBILE APP:

- [GOOGLE PLAY](#)
- [APP STORE](#)
- CVP VET

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Resources



- **UNL BEEF PAGE (BEEF.UNL.EDU)**
- **NEBRASKA BQA (BQA.UNL.EDU)**
- **NATIONAL BQA (BQA.ORG)**
- **COMPENDIUM OF VETERINARY PRODUCTS (BAYER)**



Questions??



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