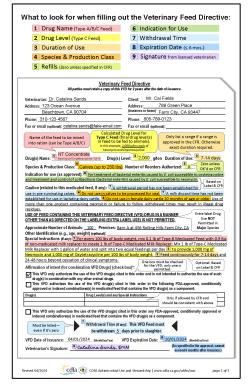
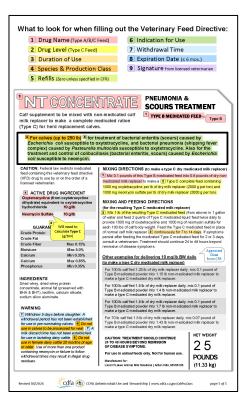




Veterinary Feed Directive (VFD) Annotated Guideline







Page 2

This annotated document was created to guide veterinarians in filling out a Veterinary Feed Directive (VFD) form. Here, we use Neomycin & Oxytetracycline in milk replacer for calves as an example. Please note: according to FDA approvals and 21 CFR 558, Neomycin & Oxytetracycline is only approved to mix with starter feeds and dry, non-medicated milk replacer. Once mixed, it can only be reconstituted with water (milk or waste milk is not permitted).

The colors/numbers correspond to information required by the Food and Drug Administration to help ensure the VFD form is complete. Please note, there is no officially approved VFD form. If the required information (as outlined in the Code of Federal Regulations 21 CFR 558.6) is included, the VFD is valid.

Not all sections or explanations are required for issuing a VFD. When working through the document, be sure to double check calculations to ensure VFD drug levels are correct in the final feed issued (based on the CFR).

For more information, please visit the <u>CDFA AUS webpage</u>. For best results, we recommend printing this document on LEGAL size paper (8.5" x 14").



CDFA AUS Homepage



21 CFR Part 558 Subpart A



21 CFR Part 558 Subpart B



FDA Medicated Milk Replacer

What to look for when filling out the Veterinary Feed Directive:

Drug Name (Type A/B/C Feed)
 Drug Level (Type C Feed)
 Withdrawal Time
 Duration of Use
 Expiration Date (≤ 6 mos.)
 Species & Production Class
 Signature from licensed veterinarian

Veterinary Feed Directive All parties must retain a copy of this VFD for 2 years after the date of issuance.

5 Refills (Zero unless specified in CFR)

Veterinarian: Dr. Catalina Sands		Client: Mr. C	al Fields
Address: 123 Ocean Avenue		Address:	789 Green Place
Beachtown, CA 90704		(business or home)	Farm City, CA 93447
Phone: 310-123-4567		Phone: 805-789-0123	
Fax or email (optional): catalina.sands@fake-email.com Fax or email (optional):			
Name of the feed to be mixed into ration (can be Type A/B/C) NT Concentration	Neomycin and O	al drug level(s) d to animals). 000 g/ton each of xytetracycline.	Only list a range if a range is approved in the CFR. Otherwise exact duration required.
Drug(s) Name: Neomycin/Oxytetracycline 10/10 Drug(s) Level: 2,000 g/ton Duration of Use: 7-14 days			
Species & Production Class: Calves (up to 250 lbs) Number of Reorders Authorized: OK'd on CFR			
Indication for use (as approved): For treatment of bacterial enteritis caused by <i>E. coli</i> susceptible to oxytetracycline and treatment and control of colibacillosis (bacterial enteritis) caused by <i>E. coli</i> susceptible to neomycin. Based on			
Caution (related to this medicated feed, if any): A withdrawal period has not been established for			
use in pre-ruminating calves. Do not use in calves to be processed for veal. A milk discard time has not been established for use in lactating dairy cattle. Do not use in female dairy cattle 20 months of age or older. Use of			
more than one product containing neomycin or failure to follow withdrawal times may result in illegal drug			
residues.			
USE OF FEED CONTAINING THIS VETERINARY FEED DIRECTIVE (VFD) DRUG IN A MANNER OTHER THAN AS DIRECTED ON THE LABELING (EXTRA LABEL USE) IS NOT PERMITTED. Extra-label Drug Use NOT			
Approximate Number of Animals: 100 Premises: Barn A at 456 Rolling Hills Farm City, CA Major Species			
Other Identification (e.g., age, weight) (optional):			
Special Instructions (if any): 1 For every 100 lbs of body weight, mix 0.1 lb of Type-B Medicated Feed with 0.9 lbs			
of non-medicated milk replacer to create 1 lb of Type-C Medicated Milk Replacer. Mix 1 lb of Type-C Medicated Milk Replacer with 1 gallon of water and split into two equal feedings per day 2 to provide 1,000 mg of			
Neomycin and 1,000 mg of Oxytetracycline per 100 lbs of body weight. 3 Feed continuously for 7-14 days and			
24-48 hours beyond cessation of clinical symptoms. One box must be checked Optional: Based			
Affirmation of intent (for combination VFD Drugs) (check box)*: for the VFD; only one is permitted. on Label & CFR			
This VFD only authorizes the use of the VFD drug(s) cited in this order and is not intended to authorize the use of such			
drug(s) in combination with any other animal drugs. This VFD authorizes the use of the VFD drug(s) cited in this order in the following FDA-approved, conditionally			
approved or indexed combinations(s) in medicated feed that contains the VFD drug(s) as a component.			
Drug(s)	Drug Level(s) and any Spec	ial Instructions	Only if allowed by CFR and
			should be consistent with above
This VFD only authorizes the use of the VFD drug(s) cited in this order any FDA-approved, conditionally approved or indexed combinations(s) in medicated feed that contains the VFD drug(s) as a component.			
Must be listed— Withdrawal Time (if any): This VFD Feed must			
even if it's zero be withdrawn 5 days prior to slaughter.			
VFD Date of Issuance: 04/01/2024 (Month/Day/Year) VFD Expiration Date: 8 10/01/2024 (Month/Day/Year)			
Veterinarian's Signature: Outside Sands, DVM (As specified in the approval; cannot exceed 6 months after issuance.)			

What to look for when filling out the Veterinary Feed Directive:

- 1 Drug Name (Type A/B/C Feed)
- 2 Drug Level (Type C Feed)
- 3 Duration of Use
- 4 Species & Production Class
- **5** Refills (Zero unless specified in CFR)
- 6 Indication for Use
- **7** Withdrawal Time
- **8** Expiration Date (≤ 6 mos.)
- 9 Signature from licensed veterinarian

1 NT CONCENTRATE

PNEUMONIA & SCOURS TREATMENT

1 TYPE B MEDICATED FEED

Type B

Calf supplement to be mixed with non-medicated calf milk replacer to make a complete medicated ration (Type C) for herd replacement calves.

For calves (up to 250 lb) ⁶ for treatment of bacterial enteritis (scours) caused by *Escherichia coli* susceptible to oxytetracycline, and bacterial pneumonia (shipping fever complex) caused by *Pasteurella multocida* susceptible to oxytetracycline. Also for the treatment and control of colibacillosis (bacterial enteritis, scours) caused by *Escherichia coli* susceptible to neomycin.

CAUTION: Federal law restricts medicated feed containing this veterinary feed directive (VFD) drug to use by or on the order of a licensed veterinarian.

1 ACTIVE DRUG INGREDIENT
Oxytetracycline (from oxytetracycline dihydrate) equivalent to oxytetracycline hydrochloride
10 g/lb

Neomycin Sulfate 10 g/lb

GUARAN
Crude Protein
Crude Fat
Crude Fiber
Max 0.15%
Moisture

Will need to
Calculate Type C
(g/ton)

Max 0.15%

Moisture Max 5.0%
Calcium Min 0.35%
Calcium Max 0.85%
Phosphorus Min 0.35%

INGREDIENTS

Dried whey, dried whey protein concentrate, animal fat (preserved with BHA & BHT), lecithin, calcium silicate, sodium silico aluminate.

WARNING

withdraw 5 days before slaughter. A withdrawal period has not been established for use in pre-ruminating calves. 4 Do not use in calves to be processed for veal. 7 A milk discard time has not been established for use in lactating dairy cattle. 4 Do not use in female dairy cattle 20 months of age or older. Use of more than one product containing neomycin or failure to follow withdrawal times may result in illegal drug residues.

MIXING DIRECTIONS (to make a type C dry medicated milk replacer)

1 Mix 0.1 pounds of this Type B medicated feed into 0.9 pounds of dry non-medicated milk replacer to make a 2 Type C complete feed containing 1000 mg oxytetracycline per lb of dry milk replacer (2000 g per ton) and 1000 mg neomycin sulfate per lb of dry milk replacer (2000 g per ton).

MIXING AND FEEDING DIRECTIONS

(for the resulting Type C medicated milk replacer)

2 Mix 1 lb of the resulting Type C medicated feed (from above) in 1 gallon of water and feed 2 quarts of Type C medicated liquid feed twice daily to provide 1000 mg of oxytetracycline and 1000 mg of neomycin sulfate for each 100 lbs of calf body weight. Feed the Type C medicated feed in place of normal calf milk replacer 3 continuously for 7 to 14 days. If symptoms persist after feeding the medicated Type C medicated feed for 2 or 3 days, consult a veterinarian. Treatment should continue 24 to 48 hours beyond remission of disease symptoms.

Approved

Other examples for delivering 10 mg/lb BW daily (to make a type C dry medicated milk replacer)

For 100 lb calf fed 1.25 lb of dry milk replacer daily, mix 0.1 pound of Type B medicated powder into 1.15 lb non-medicated milk replacer to make a type C medicated dry milk replacer.

For 100 lb calf fed 1.5 lb of dry milk replacer daily, mix 0.1 pound of Type B medicated powder into 1.4 lb non-medicated milk replacer to make a type C medicated dry milk replacer.

For 100 lb calf fed 1.8 lb of dry milk replacer daily, mix 0.1 pound of Type B medicated powder into 1.7 lb non-medicated milk replacer to make a type C medicated dry milk replacer.

For 70 lb calf fed 1.5 lb of dry milk replacer daily, mix 0.07 pound of Type B medicated powder into 1.43 lb non-medicated milk replacer to make a type C medicated dry milk replacer.

CAUTION: TREATMENT SHOULD CONTINUE 24 TO 48 HOURS BEYOND REMISSION OF DISEASE SYMPTOMS.

For use in animal feeds only. Not for human use.

Manufactured for:

Land O'Lakes Animal Milk Solutions | Arden Hills, MN 55126

NET WEIGHT

Dose

from CFR

25
POUNDS
(11.33 kg)

