

## FORMULATION OF U.S. FLORFENICOL PRODUCTS

FORMULATION	Nuflor®	Nuflor Gold®	Resflor Gold®
Florfenicol	300 mg/mL	300 mg/mL	300 mg/mL
Flunixin	NONE	NONE	16.5 mg/mL
Solvent	NMP	2-P	2-P

## ADMINISTRATION OF U.S. FLORFENICOL PRODUCTS

DOSING	NUFLOR	NUFLOR GOLD	RESFLOR GOLD
SQ Dosage	6 mL/cwt (in neck)	6 mL/cwt (in neck)	6 mL/cwt (in neck)
IM Dosage	3 mL/cwt Repeat q 48 hrs	NONE	NONE
Max Vol Per Site	10 mL	15 mL	10 mL

## PATHOGENS AND INDICATIONS OF U.S. FLORFENICOL PRODUCTS

PATHOGENS	NUFLOR	NUFLOR GOLD	RESFLOR GOLD
	<i>M. haemolytica</i>	<i>M. haemolytica</i>	<i>M. haemolytica</i>
	<i>P. multocida</i>	<i>P. multocida</i>	<i>P. multocida</i>
	<i>H. somni</i>	<i>H. somni</i>	<i>H. somni</i>
	<i>Fusobacterium necrophorum</i>	<i>M. bovis</i>	<b><i>M. bovis</i></b>
	<i>Bacteroides melaninogenicus</i>		
INDICATIONS	Treat BRD Control BRD Treat Footrot	Treat BRD	Treat BRD Control of pyrexia due to BRD

## WITHDRAWAL PERIODS OF U.S. FLORFENICOL PRODUCTS

WITHDRAWAL	NUFLOR	NUFLOR GOLD	RESFLOR GOLD
	38 days (SQ) 28 days (IM)	44 days	38 days

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PRODUCT  
INFORMATION

NADA #141-063, Approved by FDA.

**Nuflor<sup>®</sup>**  
(FLORFENICOL)

**Injectable Solution**  
**300 mg/mL**

**For Intramuscular and  
Subcutaneous Use in Cattle Only.**

**BRIEF SUMMARY** (For full Prescribing Information, see package insert.)

**INDICATIONS** NUFLOR Injectable Solution is indicated for treatment of bovine respiratory disease (BRD), associated with *Mannheimia haemolytica*, *Pasteurella multocida*, and *Histophilus somni* (*Haemophilus somnus*), and for the treatment of bovine interdigital phlegmon (foot rot, acute interdigital necrobacillosis, infectious pododermatitis) associated with *Fusobacterium necrophorum* and *Bacteroides melaninogenicus*. Also, it is indicated for the control of respiratory disease in cattle at high risk of developing BRD associated with *Mannheimia haemolytica*, *Pasteurella multocida*, and *Histophilus somni* (*Haemophilus somnus*).

**RESIDUE WARNINGS:** Animals intended for human consumption must not be slaughtered within 28 days of the last intramuscular treatment. Animals intended for human consumption must not be slaughtered within 38 days of subcutaneous 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.

**WARNINGS: NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.** This product contains materials that can be irritating to skin and eyes. Avoid direct contact with skin, eyes, and clothing. In case of accidental eye exposure, flush with water for 15 minutes. In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Accidental injection of this product may cause local irritation. Consult a physician immediately. The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information.

For customer service, adverse effects reporting, and/or a copy of the MSDS, call 1-800-211-3573.

**CAUTION** Not for use in cattle of breeding age. The effects of florfenicol on bovine reproductive performance, pregnancy, and lactation have not been determined. Intramuscular injection may result in local tissue reaction which persists beyond 28 days. This may result in trim loss of edible tissue at slaughter. Tissue reaction at injection sites other than the neck is likely to be more severe.

**ADVERSE EFFECTS** Inappetence, decreased water consumption, or diarrhea may occur transiently following treatment.

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PRODUCT  
INFORMATION

NADA 141-265, Approved by FDA.

**NuflorGOLD**  
(florfenicol)

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

**BRIEF SUMMARY** (For full Prescribing Information, see package insert.)

**INDICATION:** NUFLOR GOLD<sup>®</sup> is indicated for treatment of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni*, and *Mycoplasma bovis* and control of BRD-associated pyrexia in beef and non-lactating dairy cattle.

**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.

**WARNINGS: NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.** This product contains materials that can be irritating to skin and eyes. Avoid direct contact with skin, eyes, and clothing. In case of accidental eye exposure, flush with water for 15 minutes. In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Accidental injection of this product may cause local irritation. Consult a physician immediately. The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information.

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

**PRECAUTIONS:** Not for use in animals intended for breeding purposes. The effects of florfenicol on bovine reproductive performance, pregnancy, and lactation have not been determined. Toxicity studies in dogs, rats, and mice have associated the use of florfenicol with testicular degeneration and atrophy.

Subcutaneous injection in cattle can cause a transient local tissue reaction that may result in trim loss of edible tissue at slaughter.

**ADVERSE REACTIONS:** Transient inappetence, diarrhea, decreased water consumption, and injection site swelling have been associated with the use of florfenicol in cattle. In addition, anaphylaxis and collapse have been reported post-approval with the use of another formulation of florfenicol in cattle.

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PRODUCT INFORMATION

NADA 141-299, Approved by FDA.

**Resflor**  
GOLD  
Florfenicol and  
Flunixin Meglumine

(Florfenicol and Flunixin Meglumine)  
Antimicrobial/Non-Steroidal Anti-Inflammatory Drug

**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.**

**BRIEF SUMMARY:** For full prescribing information, see package insert.

**INDICATION:** RESFLOR GOLD<sup>®</sup> is indicated for treatment of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni*, and *Mycoplasma bovis*, and control of BRD-associated pyrexia in beef and non-lactating dairy cattle.

**CONTRAINDICATIONS:** Do not use in animals that have shown hypersensitivity to florfenicol or flunixin.

**WARNINGS: NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.** This product contains material that can be irritating to skin and eyes. Avoid direct contact with skin, eyes, and clothing. In case of accidental eye exposure, flush with water for 15 minutes. In case of accidental skin exposure, wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Accidental injection of this product may cause local irritation. Consult a physician immediately. The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information.

For customer service or to obtain a copy of the MSDS, call 1-800-211-3573. For technical assistance or to report suspected adverse reactions, call 1-800-219-9286.

Not for use in animals intended for breeding purposes. The effects of florfenicol on bovine reproductive performance, pregnancy, and lactation have not been determined. Toxicity studies in dogs, rats, and mice have associated the use of florfenicol with testicular degeneration and atrophy. NSAIDs are known to have potential effects on both parturition and the estrous cycle. There may be a delay in the onset of estrus if flunixin is administered during the prostaglandin phase of the estrous cycle. The effects of flunixin on imminent parturition have not been evaluated in a controlled study. NSAIDs are known to have the potential to delay parturition through a tocolytic effect.

RESFLOR GOLD<sup>®</sup>, when administered as directed, may induce a transient reaction at the site of injection and underlying tissues that may result in trim loss of edible tissue at slaughter.

**RESIDUE WARNINGS:** Animals intended for human consumption must not be slaughtered within 38 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.

**ADVERSE REACTIONS:** Transient inappetence, diarrhea, decreased water consumption, and injection site swelling have been associated with the use of florfenicol in cattle. In addition, anaphylaxis and collapse have been reported post-approval with the use of another formulation of florfenicol in cattle.

In cattle, rare instances of anaphylactic-like reactions, some of which have been fatal, have been reported, primarily following intravenous use of flunixin meglumine.

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