

## Norfenicol – At-A-Glance

**Caution:** Federal law restricts this drug to use by or on the order of a licensed veterinarian.

**Active Ingredient** – Norfenicol is a solution of the synthetic antibiotic florfenicol. Each mL of sterile Norfenicol contains 300 mg of florfenicol per mL.

**Storage Conditions** – Store at or below 77°F (25°C). Refrigeration is not required. Excursions permitted up to 86°F (30°C). Brief exposure to temperature up to 104°F (40°C) may be tolerated provided the mean kinetic temperature does not exceed 77°F (25°C); however, such exposure should be minimized. The solution is light yellow to straw colored. Color does not affect potency. Use within 28 days of first vial puncture.

### Indications –

Norfenicol Injectable Solution is indicated for treatment of bovine respiratory disease (BRD) associated *Mannheimia haemolytica*, *Pasteurella multocida*, and *Histophilus somni*, 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*.

### Dosage and Administration

For treatment of BRD and foot rot: Norfenicol should be administered by intramuscular injection to cattle at a dose rate of 20 mg/kg body (3 mL/100Lbs). A second dose should be administered 48 hours later. Alternatively, Norfenicol Injectable Solution can be administered by a single subcutaneous injection to cattle at a dose rate of 40 mg/kg body weight (6 mL/100Lb). Do not administer more than 10 mL at each site. The injection should be given only in the neck. NOTE: intramuscular injection may result in local tissue reaction with 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.

For control of respiratory disease in cattle at high-risk of developing BRD: Norfenicol Injectable Solution should be administered by a single subcutaneous injection to cattle at a dose rate of 40 mg/kg body weight (6 mL/100Lbs). Do not administer more than 10 mL at each site. The injection should be given only in the neck. Clinical improvement should be evident in most treated subjects within 24 hours of initiation of treatment. If a positive response is not noted within 72 hours of initiation of treatment, the diagnosis should be re-evaluated.

**Differentiation** – Norfenicol comes in a plastic hanger bottle, has as different carrier molecule, giving it a lower viscosity, superior syringeability, and 5 day shorter subcutaneous withdrawal time than the pioneer, Nuflor (Merck).

**Contraindications** – Do not use in animals that have shown hypersensitivity to florfenicol.

**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. 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.

**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 33 days of the last subcutaneous treatment. This product is not approved for use in female dairy cattle 20 months of age or older, including dry dairy cows. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. A withdrawal period has not been established in pre-ruminating calves. Do not use in calves to be processed for veal.

**Presentation –**

**Strength**

300 mg/mL florfenicol

**Private Label Brands\***

Norfenicol

**Bottle Size**

100 mL, 250 mL and 500 mL multidose vials

**Distributor**

Norbrook Laboratories Inc.

**Competition –**

**Pioneer** – Nuflor (Merck)

**Generics** – Norfenicol (Norbrook)

Resflor Gold (Merck)

Loncor 300 (Bayer)

Norfenicol (florfenicol) – December 2017

Observe label direction and withdrawal times. Federal law restricts this drug to use by or on the order of a licensed veterinarian. For use in beef and non-lactating dairy cattle only. Not approved for use in female dairy cattle 20 months of age or older, including dry dairy cows. Animals intended for human consumption must not be slaughtered within 28 days of the last intramuscular treatment or within 33 days of subcutaneous treatment. Do not use in calves to be processed for veal. Intramuscular injection may result in local tissue reaction which may result in trim loss at slaughter. See product labeling for full product information, including adverse reactions.