

Noromycin® 300 LA

(OXYTETRACYCLINE 300 mg/mL)



GET THE BENEFITS OF A 300 mg OXYTET AND MORE

Performance and convenience make Noromycin® 300 LA **THE PRACTICAL CHOICE.**

Noromycin® 300 LA (oxytetracycline 300 mg/mL) is a versatile, broad-spectrum antibiotic that is economical and available without a prescription. Its unique oxytetracycline formulation delivers the results you can depend on in a convenient lower dose volume.

Indications:

Noromycin® 300 LA is a sterile ready-to-use solution of broad-spectrum oxytetracycline 300 mg/mL for use in beef cattle, non-lactating dairy cattle, calves, pre-ruminating (veal) calves and swine. Oxytetracycline is effective in the treatment of a wide range of diseases caused by susceptible gram-negative and gram-positive bacteria.

Cattle

Disease	Bacteria
Bacterial Pneumonia	<i>Pasteurella</i> spp.
Shipping fever complex	<i>Histophilus</i> spp.
Pinkeye	<i>Moraxella bovis</i>
Bacterial enteritis (scours)	<i>Escherichia coli</i>
Footrot	<i>Fusobacterium necrophorum</i>
Diphtheria	<i>Fusobacterium necrophorum</i>
Leptospirosis	<i>Leptospira pomona</i>
Wooden tongue	<i>Actinobacillus lignieresii</i>
Acute metritis and wound infections	Strains of staphylococcal and streptococcal organisms sensitive to oxytetracycline

Swine

Disease	Bacteria
Bacterial enteritis (scours, colibacillosis)	<i>Escherichia coli</i>
Bacterial Pneumonia	<i>Pasteurella multocida</i>
Leptospirosis	<i>Leptospira pomona</i>
Infectious enteritis (baby pig scours, colibacillosis) in suckling pigs	<i>Escherichia coli</i>

Noromycin® 300 LA Offers These Benefits:

- Proven efficacy across a wide range of diseases
- A convenient lower dose volume for easier administration
- Non-prescription. Available from animal health suppliers
- A well-tolerated formulation, particularly when administered subcutaneous (SQ) in the neck area
- Uncompromising quality control from Norbrook Laboratories — the worldwide leader in oxytetracycline production
- Economical
- Convenient 100 mL, 250 mL and 500 mL bottles

Observe label directions and withdrawal times. Not for use in lactating dairy animals. Adverse reactions, including injection site swelling, restlessness, ataxia, trembling, respiratory abnormalities (labored breathing), collapse and possibly death have been reported. See product labeling for full product information.



Noromycin 300 LA

oxytetracycline injection 300 mg/ml.

ANTIBIOTIC

Each ml. contains 300 mg of oxytetracycline base as amphoteric oxytetracycline.
For Use in Beef Cattle, Non-lactating Dairy Cattle, Calves, Including Pre-ruminating Veal Calves, Non-lactating Calves and Swine.

READ ENTIRE BROCHURE CAREFULLY BEFORE USING THIS PRODUCT.

INTRODUCTION: NOROMYCIN 300 LA is a sterile, ready to use solution of the broad-spectrum antibiotic oxytetracycline, dihydrate. Oxytetracycline is an antimicrobial agent that is effective in treatment or a wide range of diseases caused by susceptible gram-positive and gram-negative bacteria.

NOROMYCIN 300 LA should be stored at room temperature 50°-38°F (15°-30°C). The antibiotic activity of oxytetracycline is not appreciably diminished in the presence of body fluids, serum or exudates.

INDICATIONS:

NOROMYCIN 300 LA is intended for use in treatment for the following diseases when due to oxytetracycline-susceptible organisms:

Beef cattle, non-lactating dairy cattle, calves, including pre-ruminating veal calves:

NOROMYCIN 300 LA is indicated in the treatment of pneumonia and shipping fever complex associated with *Pasteurella* spp., and *Histophilus* spp. NOROMYCIN 300 LA is indicated for treatment of infectious bovine keratoconjunctivitis (pink eye) caused by *Moraxella* bacteriuria (scours) caused by *Escherichia coli*, wooden tongue caused by *Actinobacillus lignieresii*; leptospirosis caused by *Leptospira* pomona, and wound infections and acute mastitis caused by strains of staphylococcal and streptococcal organisms sensitive to oxytetracycline.

Swine: NOROMYCIN 300 LA is indicated in the treatment of bacterial enteritis (scours), colibacillosis) caused by *Escherichia coli*; pneumonia caused by *Pasteurella multocida*, and leptospirosis caused by *Leptospira pomona*.

In sovs, NOROMYCIN 300 LA is indicated as an aid in control of infections, enteritis (hay pig scours, colibacillosis) in sucking pigs caused by *Escherichia coli*.

DOSAGE AND ADMINISTRATION:

Beef cattle, non-lactating dairy cattle, calves, including pre-ruminating veal calves:

A single dosage of 9 mg of oxytetracycline per pound of bodyweight administered intramuscularly or subcutaneously is recommended treatment of the following conditions:

(1) Bacterial pneumonia caused by *Pasteurella* spp. (shipping fever, in calves and yearlings where treatment is impractical due to husbandry conditions, such as cattle on range, or where their repeated restraint is undesirable).

(2) Infectious bovine keratoconjunctivitis (pink eye) caused by *Moraxella bovis*.

For other indications NOROMYCIN 300 LA is to be administered intramuscularly, subcutaneously or intravenously at a level of 3 to 5 mg of oxytetracycline per pound of bodyweight per day. In treatment of foot-and-mouth and advanced cases of other indicated diseases, a dosage level of 5 mg per pound of bodyweight per day is recommended. Treatment should be continued 24 to 48 hours following remission of disease signs, however, not to exceed a total of four (4) consecutive days. If improvement is noted within 24 to 48 hours of the beginning of treatment, diagnosis and therapy should be re-evaluated by a veterinarian.

Do not administer intramuscularly in the neck of small calves due to lack of sufficient muscle mass.

Use extreme care when administering this product by intravenous injection. Perivascular injection or leakage from an intravenous injection may cause severe swelling at the injection site.

Swine: A single dosage of 9 mg of oxytetracycline per pound of bodyweight administered intramuscularly is recommended in the treatment of bacterial pneumonia caused by *Pasteurella multocida* in swine, where retreatment is impractical due to husbandry conditions or where restraint is impracticable.

NOROMYCIN 300 LA can also be administered by intramuscular injection at a level of 3 to 5 mg of oxytetracycline per pound of bodyweight per day. Treatment should be continued 24 to 48 hours following remission of disease signs, however, not to exceed a total of four (4) consecutive days. If improvement is not noted within 24 to 48 hours of the beginning of treatment, diagnosis and therapy should be re-evaluated by a veterinarian.

For sows, administer once intramuscularly approximately 3 mg of oxytetracycline per pound of bodyweight approximately eight (8) hours before farrowing or immediately after completion of farrowing as an aid in the control of infectious emetics in baby pigs.

For swine weighing 25 lbs of bodyweight and under, NOROMYCIN 300 LA should be administered undiluted for treatment at 9 mg/lb but should be administered diluted for treatment at 30.5 mg/lb.

*To prepare dilutions, add one part of NOROMYCIN 300 LA to three (3) parts of sterile water, or 5% dextrose solution as indicated. The diluted product should be used immediately.

DIRECTIONS FOR USE:

NOROMYCIN 300 LA is intended for use in the treatment of disease due to oxytetracycline-susceptible organisms in beef cattle, non-lactating dairy cattle and swine. A thoroughly cleaned, sterile needle and syringe should be used for each injection. Syringes may be sterilized by boiling in water for 15 minutes. In cold weather, NOROMYCIN 300 LA should be warmed to room temperature before administration to animals. Before withdrawing the solution from the bottle, dislodge the rubber cap on the bottle with suitable disinfectant, such as 70% isopropyl alcohol. The injection site should be similarly cleaned with the disinfectant. Needles of 16 to 18 gauge and to 1½ inches long are adequate for intramuscular or subcutaneous injections. Needles of 2 to 3 inches in length are recommended for intravenous use.

INTRAMUSCULAR ADMINISTRATION: Intramuscular injections should be made by directing the needle of suitable gauge and length into the fleshly part of a thick muscle such as the neck, rumen, hip, or thigh regions; avoid blood vessels and major nerves. Before injecting the solution, pull back gently on the plunger. If blood appears in the syringe, a blood vessel has been entered, withdraw the needle and select a different site.

No more than 10 ml should be injected intramuscularly at any one site in adult beef cattle and non-lactating cattle, and not more than 5 ml per site in adult swine, rotatting injection sites for each succeeding treatment. The volume administered per injection site should be reduced according to age and body size so that 1 to 2 ml per site is injected in small calves.

SUBCUTANEOUS ADMINISTRATION: Subcutaneous injections should be made by directing the needle of suitable gauge and length through the loose folds of the neck skin in front of the shoulder. Care should be taken to ensure that the tip of the needle has penetrated the skin but is not lodged in the muscle. Before injecting the solution, pull back gently on the plunger. If blood appears in the syringe, a blood vessel has been entered, withdraw the needle and select a different site. The solution should be injected slowly into the area between the skin and muscles. No more than 10 ml should be injected subcutaneously at any one site in adult beef cattle and non-lactating dairy cattle, rotate injection sites for each succeeding treatment. The volume of solution administered per injection site should be reduced to age and body size so that 1 to 2 ml per site is injected in small calves.

3. While the needle is being placed in proper position in the vein, an assistant should get the medication ready so that the injection can be started without delay after the vein has been entered.

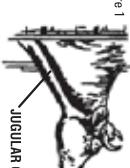
4. Making the injection. With the needle in position as indicated by the flow of blood, release the choke cone by a quick pull on the free end. This is essential; the medication cannot flow into the vein while it is blocked. Immediately connect the syringe containing OXYTETRACYCLINE to the needle and slowly depress the plunger. If there is resistance to depression of the plunger, this indicates that the needle has slipped out of the vein (or is clogged) and the procedure will have to be repeated. Watch for any swelling under the skin near the needle, which would indicate that the medication is not going into the vein. Should this occur, it is best to try the vein on the opposite side of the neck.

Preparation of the Animal for Injection:
1. Approximate location of vein: The jugular vein runs in the jugular groove on each side of the neck from the angle of the jaw to just above the brisket and slightly above and to the side of the windpipe. (See Fig. 1).

Restraint: A stanchion or chute is ideal for restraining the animal. With a halter, rope or cattle leader (hose tonic), pull the animal's head around the side of the stanchion, cattle chute, or post in such a manner to form bow in the neck (See Fig. 2), then turn the head securely to prevent movement. By forming the bow in the neck, the outside curvature of the bovine tends to expose the jugular vein and make it easily accessible. Caution: Avoid restraining the animal with a tight rope or halter around the throat or upper neck which might impede blood flow. Animals that are down present no problem so far as restraint is concerned.

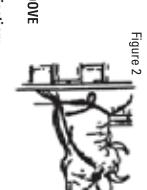
3. Clip hair in area where injection is to be made (over the vein in the upper third of the neck). Clean and disinfect the skin with alcohol or other suitable antiseptic.

Figure 1



JUGULAR GROOVE

Figure 2



Storage: Store at room temperature, 59-86°F (15-30°C). Keep from freezing.

WARNING: Warnings: Discontinue treatment at least 28 days prior to slaughter of cattle and swine. Not for use in lactating dairy animals. Rapid intravenous administration may result in animal collapse. Oxytetracycline should be administered intravenously over a period of at least 5 minutes.

CAUTION: Intramuscular or subcutaneous injection may result in local tissue reactions which persists beyond the slaughter withdrawal period. This may result in tissue loss of edible tissue at slaughter.

ADVERSE REACTIONS: Reports of adverse reactions associated with oxytetracycline intramuscular injection in the rumen area may cause mild temporary lameness associated with swelling at the injection site. Subcutaneous injection in the neck area may cause swelling at the injection site. Reactions may be attributed either to anaphylaxis (an allergic reaction) or to cardiovascular collapse of unknown cause.

PRESENTATION: NOROMYCIN 300 LA is available in 100 mL, 250 mL and 500 mL vials.

DISTRIBUTED BY:
Norbrook, Inc.
Lenexa, KS 66219
MADE IN THE UK
U.S. Patent No. 6,110,905
U.S. Patent No. 6,310,053

Restricted Drugs (California). Use Only as Directed.

5. Removing the needle. When injection is complete, remove needle with straight pull. Then apply pressure over area of injection momentally to control any bleeding through needle puncture, using cotton soaked in alcohol or other suitable antiseptic.

PRECAUTIONS: Exceeding the highest recommended level of drug per pound of bodyweight per day, administering more than the recommended number of treatments, and/or exceeding 10 mL intramuscular or subcutaneous per injection site in adult beef cattle and non-lactating dairy cattle and 5 mL intramuscularly per injection site in adult swine, may result in antibiotic residues beyond the withdrawal time.

Consult with your veterinarian prior to administering this product in order to determine the proper treatment required in the event of an adverse reaction. At the first sign of any adverse reaction, discontinue use of the product. Seek the advice of your veterinarian. Some of the reactions may be attributable either to antibiofasciols (an allergic reaction) or to cardiovascular collapse of unknown cause.

