

Antibacterial treatment is to be continued with ALBAPLEX Tablets containing novobiocin sodium and tetracycline hydrochloride at the same dose schedule for an additional 3 days.

NADA #65-090, Approved by FDA

Store at controlled room temperature 20° to 25°C (68° to 77°F) [see USP].

Made By **Patheon YM Inc.**, Toronto, Ontario M3B 1Y5, Canada

Presentation: DELTA ALBAPLEX Tablets are available in bottles of 500.

DELTA ALBAPLEX 3X Tablets are available in bottles of 250.

NAC No.: 10490122

DEMOTEC® 95

Neogen

Hoof repair - Claw prosthesis

Ingredient(s): Liquid and powder reagents to produce resin. The product is presented in a kit that provides wooden blocks, spatulas and beakers.

Indications: To be used as an adjunct to primary medical care of lamming cattle.

Directions for Use: 35 mL of liquid should be measured and poured into a beaker, to which the contents of one sachet (70 g powder) should be added. This should then be thoroughly mixed with the spatula provided. Within seconds, a putty-like malleable mass is produced which is easy to mould and which does not adhere to the hands. Applied directly to both the sole of the claw and wooden block the two are then bonded and the mass moulded round the join.

Discussion: The hooves of cattle are subject to infections and/or inflammation whatever standards of husbandry are employed. Such conditions are not only distressing to see and worthy of attention from an humanitarian aspect, but affect the mobility of the animal and cause pain and stress which can adversely affect both milk yields and weight gains.

It is therefore important to take all steps to treat these conditions in the best possible manner and so limit economic losses that may otherwise occur.

The primary medical treatment of the affected hoof should be undertaken as soon as possible, and as an adjunct to this treatment DEMOTEC® can frequently be employed to great advantage.

Usually it is found that only one claw is affected and so it is possible to bond a wooden block to the sole of the sound claw. This not only raises the affected claw out of the dirt, so making medical and surgical treatment more effective, but more importantly it shifts the weight onto the good claw allowing the affected claw to rest.

Manufactured by: Siegfried Demel, Germany.

Presentation: 2 application sets and 14 application sets with large or small blocks.

NAC No.: 14910740

DEMOTEC® EASY BLOC®

Neogen

Hoof repair - Claw prosthesis

Ingredient(s): A liquid/powder system has been developed, utilizing as resin with a short polymerization time which will cure quickly and effectively.

Indications: EASY BLOC® provides a system which will be applicable to the treatment of most cases of lameness in cattle.

Instructions:

1. The healthy claw is cleaned removing dirt and loose horn with a hoof knife (or grinder if necessary) and thoroughly dried. Special levelling of the sole is not necessary as unevenness is overcome by the resin.
2. Press the perforation on the top of the box, which will allow the insertion of the EASY BLOC® in the correct position to accurately measure the liquid into the BLOC®.
3. Pour the liquid into the BLOC® until it reaches the mark (20 mL).
4. The small hole in the silver foil covering the neck of the powder bottle allows the controlled addition of the powder onto the resin (in volume about twice that of the liquid) until it is nearly to the top of the BLOC®.
5. Remove the EASY BLOC® from the top of the box and quickly mix with the spatula. Immediately take some of the creamy-like resin mix onto the spatula, and spread a thin film around the inside wall of the BLOC®, to guarantee a complete covering glue contact with the claw sole.
6. Next place the EASY BLOC® over the prepared claw, position correctly and exert pressure to ensure the mixed resin spreads evenly. You will find that the BLOC® has been designed to fit securely onto the claw.
7. Any surplus resin mix which exudes must be spread with the spatula into any opening remaining between the top of the EASY BLOC® and the horn. That increases the good adhesion to the claw.
8. After about 4-5 minutes (at a temperature of 21°C) the resin mix will be completely polymerized which will allow the cow to stand on its hoof once more - with the rapid relief of pain and lameness.

Special Note: Temperature has a great influence on the polymerization time of resin. The times quoted relate to a temperature of 21°C. Should the temperature be higher the reaction is accelerated conversely lower temperatures decelerate the reactions. As a rule of thumb it can be said that polymerization time is divided in half for every increase of 10°C i.e. 30°C polymerization time approx. 2 1/2 minutes conversely at 10°C - polymerization 10 minutes.

Logically the resin should be warmed up in winter and cooled in summer. This can be done simply by partially immersing the container of the resin in a bucket of cold or warm water, but care should be taken not to let water come into contact with the resin.

Precaution(s): The synthetic resin in EASY BLOC® should be protected from light and stored in a cool place. All containers should be tightly closed after use - measures should be taken to prevent soiling from a spillage - and all items should be stored out of the reach of children.

Warnings on vessels should be strictly followed. An EC Security Data Sheet with additional information is available on request.

Discussion: The design of the EASY BLOC® was based on the anatomy of the hoof, and its versatility allows claws of any size to be accommodated, without any restriction on their mobility.

The sole of the BLOC® has been made thick enough to ensure that there is no pressure on the affected claw, and the smooth elastic upper cover, is sufficiently flexible to allow claws of very varying sizes to be accommodated.

Presentation: EASY BLOC® is available in kits of 4 applications or 12 applications. Also available in extra length.

NAC No.: 14910750

DENAGARD® 10

Novartis (Farm Animal)

Tiamulin

Tiamulin-Medicated Premix-Type A Medicated Article

For manufacture of medicated swine feeds only.

Active Ingredient: Tiamulin (as hydrogen fumarate): 10 g/lb.

Ingredients: roughage product, mineral oil.

NADA 139-472, Approved by FDA

Store in a dry place.

Indications	Directions	Amount of Denagard 10 Per Ton	Tiamulin in Complete Feed Per Ton	Withdrawal Period (days)
For treatment of swine dysentery associated with <i>Brachyspira</i> (formerly <i>Serpulina</i> or <i>Treponema</i>) <i>hyodysenteriae</i> susceptible to Tiamulin	Feed continuously as the sole ration for 14 days	20 lb	200 g	7
For control of porcine proliferative enteropathies (ileitis) associated with <i>Lawsonia intracellularis</i>	Feed continuously as the sole ration for not less than 10 days	3.5 lb	35 g	2
For control of swine dysentery associated with <i>Brachyspira</i> (formerly <i>Serpulina</i> or <i>Treponema</i>) <i>hyodysenteriae</i> susceptible to Tiamulin	Feed continuously as the sole ration	3.5 lb	35 g	2

Warning: Observe withdrawal time shown in table above. Avoid contact with skin. Direct contact with skin or mucous membranes may cause irritation.

Caution: Do not feed undiluted. Do not use in feeds for animals other than swine. The effects of tiamulin on swine reproductive performance, pregnancy and lactation have not been determined.

Contraindications: Swine being treated with Denagard (tiamulin) should not have access to feeds containing polyether ionophores (e.g., lasalocid, monensin, narasin, salinomycin and semduramicin) as adverse reactions may occur. If signs of toxicity occur, discontinue use.

Restricted Drug (California): Use only as directed.

For more information or to report adverse effects, call 1-800-637-0281.

Denagard® is a registered trademark of Novartis AG.

Presentation: 35 lb (15.9 kg) multi-wall bag.

NAC No.: 11141021

DENAGARD® LIQUID CONCENTRATE

Novartis (Farm Animal)

Tiamulin

Tiamulin Hydrogen Fumarate

NADA 140-916, Approved by FDA

Description: Denagard (tiamulin) Liquid Concentrate is a solution containing 12.3% tiamulin hydrogen fumarate (w/v)* in an aqueous base. The active ingredient, tiamulin, chemically is 14-desoxy-14-[(2-diethylaminoethyl) mercaptoacetoxyl] mutilin hydrogen fumarate, a semi-synthetic diterpene antibiotic. Denagard Liquid Concentrate is for use only in preparing medicated drinking water for swine.

Actions: Tiamulin is active against *Brachyspira* (formerly *Serpulina* or *Treponema*) *hyodysenteriae* and *Actinobacillus pleuropneumoniae*. It is readily absorbed from the gut and can be found in the blood within 30 minutes after dosing.

Indications: Denagard (tiamulin), when administered in the drinking water for five consecutive days, is an effective antibiotic for the treatment of swine dysentery associated with *Brachyspira* (formerly *Serpulina* or *Treponema*) *hyodysenteriae* susceptible to tiamulin at a dosage level of 3.5 mg tiamulin hydrogen fumarate per pound of body weight daily and for treatment of swine pneumonia due to *Actinobacillus pleuropneumoniae* susceptible to tiamulin when given at 10.5 mg tiamulin hydrogen fumarate per pound of body weight daily.

Contraindications: Swine being treated with Denagard (tiamulin) should not have access to feeds containing polyether ionophores (e.g., monensin, lasalocid, narasin, salinomycin and semduramicin) as adverse reactions may occur.

Warning: Avoid contact with skin. Direct contact with skin or mucous membranes may cause irritation.

Withdraw medicated water 3 days before slaughter after treatment at 3.5 mg per pound and 7 days before slaughter following treatment at 10.5 mg per pound of body weight.

Caution: For use in drinking water of swine only. Prepare fresh medicated water daily. The effects of tiamulin on swine reproductive performance, pregnancy and lactation have not been determined.

Adverse Reactions: Overdoses of Denagard have sometimes produced transitory salivation, vomiting and an apparent calming effect on the pig. If signs of toxicity occur, discontinue use of medicated water and replace with clean, fresh water.

In rare cases, redness of the skin primarily over the ham and underline has been observed during medication. If these signs appear, discontinue use of this drug. Provide ample clean drinking water. Thoroughly rinse (hose down) the housing to remove urine and feces from animal contact surfaces or move the animals to clean pens. If the condition persists, consult your veterinarian.

Studies to evaluate the safety of the water soluble form of tiamulin in breeding swine have not been done.

Use Directions: Do not use undiluted.

The concentration of tiamulin in the drinking water must be adjusted to compensate for variation in water consumption due to weight or size of the pig, environmental temperature and other factors. It is important that pigs receive the proper drug dose, 3.5 mg tiamulin hydrogen fumarate per pound for swine dysentery or 10.5 mg tiamulin hydrogen fumarate per pound for swine pneumonia, each day for 5 consecutive days.

Table 1: Approximate daily water consumption per pig.

Pig Weight, lb	Water Intake, gal.
20	0.3 - 0.5
45	0.4 - 1.1
75	0.7 - 1.5
125	1.0 - 2.0
180	1.2 - 3.0