



TiaGard™ (Tiamulin) *Soluble Antibiotic*

TiaGard™ (Tiamulin) is indicated for the treatment of swine dysentery associated with *Brachyspira hyodysenteriae* susceptible to tiamulin. It is also indicated for the treatment of swine pneumonia due to *Actinobacillus pleuropneumoniae* susceptible to tiamulin.

Features and Benefits

- Water soluble for ease of administration.
- Absorbed from the gut into the blood within 30 minutes after dosing.
- Is effective against *B. hyodysenteriae* at 3.5 mg per pound of body weight daily for 5 days.
- Is effective against *A. pleuropneumoniae* at 10.5 mg per pound of body weight daily for 5 days.
- 3 day slaughter withdrawal after treatment at 3.5 mg per pound and 7 day withdrawal after 10.5 mg per pound.
- ANADA 200-344, Approved by FDA.
- Equivalent to Denagard® Soluble Antibiotic.

Packaging

2.28 oz packets in containers of 24

Each packet is designed especially for convenience of use with medication proportioners.

Dosage and Administration

Prepare fresh medicated water daily. Use as the only source of drinking water for 5 consecutive days. Do not use in swine weighing over 250 pounds body weight.

	2.28 oz packet contains 29,100 mg tiamulin	
	Swine <u>Dysentery</u>	Actinobacillus <u>Pneumonia</u>
<u>Tiamulin, mg/lb daily</u>	<u>3.5 mg</u>	<u>10.5 mg</u>
<u>Body weight each packet will treat for one day</u>	<u>8,314 lb</u>	<u>2,771 lb</u>
<u>Required treatment duration</u>	<u>5 days</u>	<u>5 days</u>
<u>Amount water per packet*</u>	<u>128 gal</u>	<u>43 gal</u>
<u>Tiamulin per gallon of drinking water</u>	<u>227 mg</u>	<u>677 mg</u>
<u>Packets needed for 1 gallon of stock solution for medication proportioner set to deliver one ounce per gallon</u>	<u>1</u>	<u>3</u>

*Adjust dilution as needed to get required daily drug dose

Please refer to package insert for complete use directions, warnings and precautions.

For further product information, please call Phoenix Scientific™ Technical Services at 1-800-759-3664.

ANADA 200-344, Approved by FDA

TiaGard™ (Tiamulin) Soluble Antibiotic

Description

TiaGard™ (Tiamulin) Soluble Antibiotic is a fine, white powder which contains 45% w/w tiamulin. The active ingredient tiamulin chemically is 14-desoxy-14-[(2-diethylaminoethyl) mercaptoacetoxy] mutilin hydrogen fumarate, a semi-synthetic diterpene antibiotic. TiaGard™ (Tiamulin) Soluble Antibiotic is designed to be administered in the drinking water of swine.

Actions

Tiamulin is active against *Brachyspira hyodysenteriae* and *Actinobacillus pleuropneumoniae*. It is readily absorbed from the gut and can be found in the blood within 30 minutes after dosing.

Indications

TiaGard™, when administered in the drinking water for five consecutive days, is an effective antibiotic for the treatment of swine dysentery associated with *Brachyspira hyodysenteriae* susceptible to tiamulin at a dose level of 3.5 mg tiamulin 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 per pound of body weight daily.

Contraindications

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

Warning

Keep out of reach of children. 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 body weight.

Caution

For use in drinking water of swine only. Prepare fresh medicated water daily. Not for use in swine over 250 pounds body weight. For animal use only - not for use in humans.

Adverse Reactions

Overdoses of tiamulin 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 skin primarily over the ham and underline has been observed during medication. If this occurs, discontinue medication immediately.

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

Use Directions

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 per pound for swine dysentery or 10.5 mg tiamulin per pound for *Actinobacillus pneumoniae* 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

Note:

1. Prepare fresh medicated drinking water every day for the 5 day treatment period.
2. Water medicated with TiaGard should be the only source of drinking water during the treatment period.

Directions for preparing TiaGard medicated solutions

1. Pour contents of the TiaGard packet(s) into a suitable clean container.
2. Add approximately 4 quarts of water.
3. Stir thoroughly until the powder is completely dissolved.
4. Add this solution to the quantity of drinking water needed and mix well.

Table 2

Packet size: 2.28 oz / Net tiamulin content 29,100 mg		
Disease to be treated	Swine Dysentery	Actinobacillus Pneumonia
Daily tiamulin dose required per pound	3.5 mg	10.5 mg
Required treatment duration	5 days	5 days
Pig body weight packet will treat for one day	8,314 lb	2,771 lb
	Number of pigs packet will treat for one day	
Pig wt., lb.		
20	415	138
45	184	62
75	111	37
125	67	22
180	46	15
Suggested final dilution of contents of one packet*	128 gal	43 gal
Tiamulin concentration per gallon at suggested final dilution*	227 mg	677 mg

Packet size: 6.84 oz / Net tiamulin content 87,300 mg		
Disease to be treated	Swine Dysentery	Actinobacillus Pneumonia
Daily tiamulin dose required per pound	3.5 mg	10.5 mg
Required treatment duration	5 days	5 days
Pig body weight packet will treat for one day	24,942 lb	8,313 lb
	Number of pigs packet will treat for one day	
Pig wt., lb.		
20	1245	414
45	552	186
75	333	111
125	201	66
180	138	45
Suggested final dilution of contents of one packet*	384 gal	129 gal
Tiamulin concentration per gallon at suggested final dilution*	227 mg	677 mg

*Note: Increase or decrease dilution rate as required to obtain proper daily drug dose.

Directions for using TiaGard™ in medicated proportioners

2.28 oz packet

The contents of each packet dissolved in one gallon of water and this stock solution metered in a medication proportioner at one fluid ounce per gallon will deliver 227 mg of tiamulin per gallon to a total of 128 gallons of drinking water for treatment of swine dysentery. Use three 2.28 oz packets dissolved in one gallon of water and this stock solution metered in a medication proportioner at one fluid ounce per gallon to deliver 682 mg of tiamulin per gallon to a total of 128 gallons of drinking water for treatment of *Actinobacillus pneumoniae*.

6.84 oz packet

The contents of each packet dissolved in three gallons of water and this stock solution metered in a medication proportioner at one fluid ounce per gallon will deliver 227 mg of tiamulin per gallon to a total of 128 gallons of drinking water for treatment of swine dysentery. Use one 6.84 oz packet dissolved in one gallon of water and this stock solution metered in a medication proportioner at one fluid ounce per gallon to deliver 682 mg of tiamulin per gallon to a total of 128 gallons of drinking water for treatment of *Actinobacillus pneumoniae*.

The concentration of tiamulin in the stock solution and in the drinking water delivered must be adjusted to compensate for variation in water consumption by pigs due to body weight, environmental and other factors. It is important that the pigs receive the proper drug dose of 3.5 mg per pound of body weight daily for five days for treatment of swine dysentery and 10.5 mg per pound of body weight daily for 5 days for treatment of *Actinobacillus pneumoniae*.

Attention

If no response to treatment is obtained within 5 days, re-establish the diagnosis. Failure of response may be related to the presence of non-susceptible organisms or other complicating disease conditions. Because of the tendency for the disease to recur on premises with a history of swine dysentery or *Actinobacillus pneumoniae*, a control program should be implemented after treatment. Drugs are not substitutes for proper sanitary measures or good management, but should be used in conjunction with such practices.

How supplied

Package Size: Net Weight	Active Ingredient
2.28 oz (64.6 g) packet, 24 packets per container	1.03 oz (29.1 g) tiamulin
6.84 oz (193.8 g) packet, 12 packets per container	3.09 oz (87.3 g) tiamulin

Store in a dry place not above 37°C (100°F).

Observe expiration dates.

Iss. 1-05

Manufactured by
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