TILMOVET AC ORAL SOLUTION- tilmicosin phosphate concentrate Huvepharma, Inc.

Tilmovet AC (tilmicosin phosphate) 250 mg/ml tilmicosin

Front Panel

960 ml

Tilmovet® AC (tilmicosin phosphate) 250 mg/ml tilmicosin

Aqueous concentrate for oral use in drinking water.

For swine only.

Macrolide Antibiotic.

Do not inject this product. Injection of tilmicosin has been shown to be fatal in swine and non-human primates, and may be fatal in horses and goats.

WARNING

Exposure to tilmicosin in humans has been associated with chest pain, increased heart rate, dizziness,

headache, and nausea. Death has been reported following ingestion or injection of tilmicosin.

Avoid ingestion. Avoid direct skin and eye contact. In case of human exposure, call 1-877-994-4883 and

consult a physician immediately.

NOTE TO THE PHYSICIAN:

The cardiovascular system is the target of toxicity and should be monitored closely. The primary cardiac

effects are tachycardia and decreased contractility. Cardiovascular toxicity may be due to calcium channel

blockade.

See User Safety Warnings for additional information.

CAUTION:

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

Read enclosed product information carefully for complete details.

Indications:

For the control of swine respiratory disease associated with *Pasteurella multocida* and *Haemophilus parasuis* in groups of swine in buildings where a respiratory disease outbreak is diagnosed.

For the control of swine respiratory disease associated with *Mycoplasma hyopneumoniae* in the presence of

Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in groups of swine in buildings where a

respiratory disease outbreak is diagnosed.

Lot No.

Exp. Date

Dosage and Administration:

Must be diluted before administration to animals. Include in the drinking water to provide a concentration of

200 mg tilmicosin per liter (200 ppm). One 960 ml bottle is sufficient to medicate 1200 liters (320 gallons)

of drinking water for pigs. The medicated water should be administered for (5) five consecutive days.

Use within 24 hours of mixing with water. Do not use rusty containers for medicated water as they may affect product integrity.

When using a water medicating pump with a 1:128 inclusion rate, add 1 bottle (960 ml) of Tilmovet AC

(tilmicosin phosphate) per 2.5 gallons of stock solution.

WARNINGS: USER SAFETY WARNINGS:

FOR USE IN ANIMALS ONLY. NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. SEE

BOXED WARNING AND ENCLOSED PRODUCT INFORMATION (INCLUDING NOTE TO THE PHYSICIAN).

Wear overalls, impervious gloves and eye protection when mixing and handling the product. Wash

hands after handling the product. Wash affected parts if skin contact occurs. If accidental eye

contact occurs, immediately rinse thoroughly with water. To report suspected adverse drug events,

for technical assistance or to obtain a copy of the Safety Data Sheet, contact Huvepharma, Inc. at

1-877-994-4883 or www.huvepharma.us. For additional information about adverse drug experience

reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at

http://www.fda.gov/reportanimalae.

RESIDUE WARNING:

Swine intended for human consumption must not be slaughtered within 7 days of the last treatment with this product.

Approved by FDA under ANADA # 200-707

960 ml

Tilmovet® AC (tilmicosin phosphate) 250 mg/ml tilmicosin

Aqueous concentrate for oral use in drinking water.

For swine only.

Macrolide Antibiotic.

Do not inject this product. Injection of tilmicosin has been shown to be fatal in swine and non-human primates, and may be fatal in horses and goats.

WARNING

Exposure to tilmicosin in humans has been associated with chest pain, increased heart rate, dizziness,

headache, and nausea. Death has been reported following ingestion or injection of tilmicosin.

Avoid ingestion. Avoid direct skin and eye contact. In case of human exposure, call 1-877-994-4883 and

consult a physician immediately.

NOTE TO THE PHYSICIAN:

The cardiovascular system is the target of toxicity and should be monitored closely. The primary cardiac

effects are tachycardia and decreased contractility. Cardiovascular toxicity may be due to calcium channel

blockade.

See User Safety Warnings for additional information.

CAUTION:

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

Active Drug Ingredient: tilmicosin (as tilmicosin phosphate) 250 mg/ml

Description:

Tilmovet AC is a formulation of the antibiotic tilmicosin. Tilmicosin is produced semisynthetically

and is in the macrolide class of antibiotics. Each milliliter (ml) of Tilmovet aqueous concentrate

solution contains 250 mg of tilmicosin.

Indications:

For the control of swine respiratory disease associated with *Pasteurella multocida* and *Haemophilus parasuis*

in groups of swine in buildings where a respiratory disease outbreak is diagnosed.

For the control of swine respiratory disease associated with *Mycoplasma hyopneumoniae* in the presence of

Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in groups of swine in buildings where a

respiratory disease outbreak is diagnosed.

Dosage and Administration:

Must be diluted before administration to animals. Include in the drinking water to provide a concentration of

200 mg tilmicosin per liter (200 ppm). One 960 ml bottle is sufficient to medicate 1200 liters (320 gallons)

of drinking water for pigs. The medicated water should be administered for (5) five consecutive days.

Use within 24 hours of mixing with water. Do not use rusty containers for medicated water as they may affect product integrity.

When using a water medicating pump with a 1:128 inclusion rate, add 1 bottle (960 ml) of Tilmovet AC

(tilmicosin phosphate) per 2.5 gallons of stock solution.

WARNINGS: USER SAFETY WARNINGS:

FOR USE IN ANIMALS ONLY. NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN. SEE

BOXED WARNING AND ENCLOSED PRODUCT INFORMATION (INCLUDING NOTE TO THE PHYSICIAN).

Wear overalls, impervious gloves and eye protection when mixing and handling the product. Wash

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1-877-994-4883 or www.huvepharma.us. For additional information about adverse drug experience

reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at http://www.fda.gov/reportanimalae.

RESIDUE WARNING:

Swine intended for human consumption must not be slaughtered within 7 days of the last treatment with this product.

Note to the Physician:

The cardiovascular system is the target of toxicity and should be monitored closely. Cardiovascular toxicity

may be due to calcium channel blockade. In dogs, administration of intravenous calcium offset tilmicosin-induced

tachycardia and negative inotropy (decreased contractility). Dobutamine partially offset the negative inotropic

effects induced by tilmicosin injection in dogs. β -adrenergic antagonists, such as propranolol, exacerbated the

negative inotropy of tilmicosin injection in dogs. Epinephrine potentiated lethality of tilmicosin injection in pigs.

This antibiotic persists in tissues for several days.

Precautions:

Do not allow horses or other equines access to water containing tilmicosin. The safety of tilmicosin

has not been established in male swine intended for breeding purposes.

Always treat the fewest number of animals necessary to control a respiratory disease outbreak. Prescriptions

shall not be refilled. Concurrent use of Tilmovet AC (tilmicosin phosphate) and another macrolide by any

route is not advised. Use of another macrolide immediately following this use of Tilmovet AC is not advised.

Adverse Reactions in Animals:

Decreased water consumption was observed in healthy pigs administered tilmicosin in target animal safety studies.

Ensure that pigs have continuous access to medicated water during the treatment period. Monitor pigs for signs of

water refusal and dehydration while being treated. If decreased water consumption occurs, replace the medicated

drinking water with fresh nonmedicated water and contact your veterinarian.

Clinical Pharmacology:

Tilmicosin is a macrolide antibiotic with *in vitro* antibacterial activity primarily against Gram-positive

bacteria, although certain Gram-negative bacteria are also susceptible. Macrolides interfere with

bacterial protein synthesis by reversibly binding to the 50S subunit of the ribosome. They are

typically regarded as being bacteriostatic, but at high concentrations can be bactericidal. When administered orally to pigs via the drinking water, tilmicosin is rapidly absorbed and slowly

eliminated from the body. Tilmicosin distributes rapidly to the target tissues. Detectable levels

are found in lung tissue as early as 6 hours and peak at about 5 days after the commencement of

treatment. The relationship of serum tilmicosin concentration to lung tilmicosin concentration or the

concentrations in bronchial secretion has not been determined. In addition, the extent to which total lung

concentrations represent free (active) drug has not been defined. Therefore, no conclusions can be

made with regard to the clinical relevance of elevated tilmicosin concentrations in the lung. Tilmicosin

has been shown to concentrate within alveolar macrophages. It is also found at fairly high concentrations

in liver and kidney tissue, as it is excreted both via the bile into the feces and also via the urine.

Effectiveness:

The effectiveness of tilmicosin phosphate for the control of SRD associated with *P. multocida* and *H. parasuis* was

confirmed in a natural infection field study across six U.S. sites. A total of 960 commercial-type grower pigs were

enrolled and assigned to the tilmicosin-treated group (200 mg tilmicosin/L in drinking water for 5 consecutive days),

or a non-medicated control group.

Pigs that 1) were found dead and were diagnosed with SRD, or 2) had a depression score and a respiratory score ≥ 2

(on a scale from 0 [normal] to 3 [severe]) and a rectal temperature of \geq 104.5 °F were considered clinically affected.

At each site, treatments were initiated when at least 15% of the pigs were classified as clinically affected. After

the 5-day treatment period and a 4-day post-treatment period, pigs were evaluated for treatment success (respiration

and depression scores of 1 or 0 and rectal temperature < 104.5 °F), and were euthanized and evaluated for lung lesions.

A significantly higher (p = 0.0118) success rate (based on back-transformed least squares means) was detected for the

tilmicosin-treated group (275/473, 58.64%) compared to the control group (230/475, 47.89%).

The effectiveness of tilmicosin phosphate for the control of SRD associated with *M. hyopneumoniae* in the presence of

PRRSV was confirmed in an induced infection model study. A total of 340 commercialtype pigs were enrolled and challenged

with *M. hyopneumoniae* (single infection) or *M. hyopneumoniae* and PRRSV (coinfection). When necropsied sentinel pigs had

at least 5% lung lesion involvement, study pigs were treated with tilmicosin phosphate (200 mg tilmicosin/L in drinking

water) or non-medicated water for 5 consecutive days. After the 5 day treatment period and a 4 day post-treatment period,

pigs were euthanized and evaluated for lung lesions.

For both the single infection and co-infection groups, the lung lesion percentage was statistically significantly different

(p=0.005 and p=0.0004, respectively) in favor of the tilmicosin phosphate-treated group (21.01% and 31.74%, respectively)

compared with the control group (28.26% and 43.04%, respectively).

Animal Safety:

A pharmacokinetic study was conducted to evaluate tilmicosin phosphate solution in pigs. The results

were compared to pharmacokinetic data generated with tilmicosin phosphate Type A medicated article

(NADA 141-064). The data demonstrates that blood and tissue levels of tilmicosin when administered to

pigs at 200 mg/L (ppm) in water were consistently lower than when tilmicosin was administered to pigs at

181 g/ton (200 ppm) in feed.

A target animal safety study was conducted to evaluate the tolerance of tilmicosin phosphate solution in

pigs when administered in drinking water.

Twenty pigs were administered medicated water at 0, 200, 400, or 600 mg/ L (0, 1X, 2X, or 3X the labeled

dose) for 5 consecutive days or 200 mg/ L for 10 consecutive days. No treatment-related lesions were

observed in any animals at necropsy. Water consumption was decreased in all tilmicosin-treated groups

compared to the non-medicated group. One pig in the 600 mg/L group was euthanized due to decreased water

consumption, neurological signs attributed to severe dehydration, and subsequent refusal to drink

non-medicated water. Two pigs in the 400 mg/L group had reduced water intake and displayed mild clinical

signs attributed to dehydration. One pig recovered after being offered non-medicated water. The second pig

completed the treatment regimen without intervention.

Hydration and water consumption were evaluated during the control of SRD effectiveness field study.

Tilmicosin was administered to study pigs in drinking water at 200 mg/l for 5 consecutive days. There was

no statistically significant difference in water consumption between tilmicosin-treated pigs and pigs

receiving nonmedicated water. A subset of study pigs (20 tilmicosin treated pigs and 20 non-medicated pigs)

were evaluated for hydration via a physical examination and analysis of blood samples for hematocrit, total

protein, creatinine, and blood urea nitrogen. There were no abnormal physical examination findings or

clinically relevant differences in clinical pathology variables between tilmicosin-treated pigs and pigs

receiving nonmedicated water.

How Supplied:

Tilmovet AC (tilmicosin phosphate) is provided in a 960 ml white-colored plastic bottle sealed with a plastic screw cap.

Storage Conditions:

Store at or below 25° C (77° F). Excursions permitted to 40° C (104° F). Protect from direct sunlight.

Restricted Drug (California) - Use Only as Directed Approved by FDA under ANADA # 200-707

Manufactured For: Huvepharma, Inc. 525 Westpark Drive, Suite 230 Peachtree City, GA 30269

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Front Panel

960 ml
Tilmovet® AC
tilmicosina como fosfato
(250 mg/ml tilmicosina)

Concentrado acuoso para uso oral en el agua de consumo. Para ganado porcine únicamente. Antibiótico macrólido. No inyecte este producto. Se demostró que la inyección de tilmicosina es fatal para el ganado porcino y en primates no humanos, y podría ser fatal para caballos y cabras.

ADVERTENCIA

La exposición humana a la tilmicosina ha sido asociada con dolor en el pecho, aumenta de la

frecuencia cardíaca, mareo, dolor de cabeza y náuseas. Se ha informado de fallecimientos tras

la ingestión o inyección de la tilmicosina.

Evite su ingestión. Evite el contacto directo con la piel y los ojos. En caso de que ocurra alguna

exposición humana, llame al 1-877-994-4883 y consulte inmediatamente con el médico.

NOTA PARA EL MÉDICO:

El sistema cardiovascular es el objetivo de la toxicidad y debe controlarse atentamente. Los

efectos cardíacos principales son taquicardia y una disminución de la contractilidad. La

toxicidad cardiovascular puede deberse al bloqueo de los canales de calcio.

Examine las Advertencias de seguridad para el usuario para obtener informacin adicional.

PRECAUCIÓN:

las leyes federales establecen que el uso de este fármaco se restrinja a veterinarios con licencia

o bajo la indicación de estos.

Lea cuidadosamente la información del producto que se adjunta para conocer los detalles completos.

Indicacions:

para el control de la enfermedad respiratoria porcina asociada con *Pasteurella multocida* y *Haemophilus*

parasuis en grupos de cerdos de establecimientos en las que se diagnostica un brote de enfermedad

respiratoria.

Para el control de la enfermedad respiratoria porcina asociada con *Mycoplosma* hyopneumoniae

en la presencia del virus del sindrome reproductivo y respiratorio porcino (Porcine Reproductive and

Respiratory Syndrome Virus, PRRSV) en grupos de cerdos en edificios donde se diagnostica un brote de enfermedad respiratoria.

Lot:	
Exp.	

Posologia y administración:

se debe diluir antes de administrarse a los animales. Incluir en el agua de consumo para proporcionar una concentración de 200 mg de tilmicosina por litro (200 ppm). Un frasco de 960 ml es suficiente para medicar 1200 litros (320 galones) de agua de consumo para cerdos. El agua medicada debería administrarse durante 5 (cinco) días consecutivos. Usar dentro de las 24 horas de mezclarlo con agua. No use recipientes oxidados para el agua medicada, ya que los mismos podrían afectar la integridad del producto.

Si se usa una bomba de medicación de agua con una tasa de inclusión de 1:128, agregar 1 frasco (960 ml) de Tilmovet AC (tilmicosina coma fosfato) por cada 2.5 galones

de solucion concentrada.

ADVERTENCIAS: ADVERTENCIAS DE SEGURIDAD PARA EI USUARIO:

PARA SU USO EN ANIMALES ÚNICAMENTE. ESTE PRODUCTO NO DEBE UTILIZARSE EN SERES HUMANOS. MANTENGAFUERA DEL ALCANCE DE LOS NIÑOS. EXAMINE LA ADVERTENCIA PRESENTE EN LA CAJA Y LA INFORMACIÓN DEL PRODUCTO QUE SE ADJUNTA (INCLUIDA LA NOTA PARA EL MÉDICO). Use monos de trabajo, guantes impermeables y protección ocular al mezclar y manipular el producto. Lávese las manos después de manipular el producto. Lave las partes afectadas en caso de producirse el contacto con la piel. Si se produce contacto accidental con los ojos, inmediatamente enjuague bien con agua.

Para informar sospechas de eventos adversos del fármaco, recibir asistencia técnica u obtener una copia de laobtener asistencia ténica o una hoja de datos de seguridad (Safety Data Sheet, SDS), comuníquese con Huvepharma, Inc. al 1-877-994-4883 o www.huvepharma.us. Para obtener información adicional sobre la experiencia farmacológica adversa para la presentación de informes de fármacos para animales, comuníquese con la FDA al 1-888-FDA-VETS, o en línea en www.fda.gov/reportanimalae.

ADVERTENCIA ACERCA DE RESIDUOS:

los cerdos para consumo humano no se deberán faenar dentro de los 7 días posteriores

al último tratamiento con este producto.

Aprobado por la FDA bajo ANADA # 200-707

960 ml Tilmovet® AC tilmicosina como fosfato (250 mg/ml tilmicosina) Concentrado acuoso para uso oral en el agua de consumo. Para ganado porcine únicamente.

Antibiótico macrólido.

No inyecte este producto. Se demostró que la inyección de tilmicosina es fatal para el ganado porcino y en primates no humanos, y podra ser fatal para caballos y cabras.

ADVERTENCIA

La exposición humana a la tilmicosina ha sido asociada con dolor en el pecho, aumenta de la

frecuencia cardíaca, mareo, dolor de cabeza y náuseas. Se ha informado de fallecimientos tras

la ingestión o inyección de la tilmicosina.

Evite su ingestión. Evite el contacto directo con la piel y los ojos. En caso de que ocurra alguna

exposición humana, llame al 1-877-994-4883 y consulte inmediatamente con el médico.

NOTA PARA EL MÉDICO:

El sistema cardiovascular es el objetivo de la toxicidad y debe controlarse atentamente. Los

efectos cardíacos principales son taquicardia y una disminución de la contractilidad.

toxicidad cardiovascular puede deberse al bloqueo de los canales de calcio.

Examine las

Advertencias de seguridad para el usuario para obtener informacin adicional.

PRECAUCIÓN:

las leyes federales establecen que el uso de este fármaco se restrinja a veterinarios con licencia

o bajo la indicación de estos.

Ingrediente fármaco activo: tilmicosina (como fosfato de tilmicosina) 250 mg/ml

Descripción:

Tilmovet AC es una formulación del antibiótico tilmicosina. La tilmicosina se produce en forma

semisintética y pertenece a la clase de antibióticos macrólidos. Cada mililitro (ml) de solución

de concentrado acuoso Tilmovet contiene 250 mg de tilmicosina.

Indicacions:

para el control de la enfermedad respiratoria porcina asociada con Pasteurella multocida

Haemophilus parasuis en grupos de cerdos de establecimientos en los que se diagnostica

un brote de enfermedad respiratoria.

Para el control de la enfermedad respiratoria porcina asociada con *Mycoplasma* hyopneumoniae en la

presencia del virus del síndrome reproductivo y respiratorio porcino (Porcine Reproductive and

Respiratory Syndrome Virus, PRRSV) en grupos de cerdos en edificios donde se diagnostica un brote de enfermedad respiratoria.

Posología y administración:

se debe diluir antes de administrarse a los animales. Incluir en el agua de consumo para proporcionar una concentración de 200 mg de tilmicosina por litro (200 ppm). Un frasco de 960 ml es suficiente para medicar 1200 litros (320 galones) de agua de consumo para cerdos. El agua medicada debería administrarse durante 5 (cinco) días consecutivos. Usar dentro de las 24 horas de mezclarlo con agua. No use recipientes oxidados para el agua medicada, ya que las mismos podrían afectar la integridad del producto.

Si se usa una bomba de medicación de agua con una tasa de inclusión de 1:128, agregar 1 frasco (960 ml) de Tilmovet AC (tilmicosina coma fosfato) par cada 2.5 galones

de solucin concentrada.

ADVERTENCIAS: ADVERTENCIAS DE SEGURIDAD PARA EI USUARIO:

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Para informar sospechas de eventos adversos del fármaco, recibir asistencia técnica u obtener una copia de laobtener asistencia ténica o una hoja de datos de seguridad (Safety Data Sheet, SDS), comuníquese con Huvepharma, Inc. al 1-877-994-4883 o www.huvepharma.us. Para obtener información adicional sobre la experiencia farmacológica adversa para la presentación de informes de fármacos para animales, comuníquese con la FDA al 1-888-FDA-VETS, o en línea en www.fda.gov/reportanimalae.

ADVERTENCIA ACERCA DE RESIDUOS:

los cerdos para consumo humano no se deberán faenar dentro de los 7 días

posteriores al último tratamiento con este producto.

Nota para el médico:

El sistema cardiovascular es el objetivo de la toxicidad y debe controlarse atentamente. La toxicidad cardiovascular puede deberse al bloqueo de las canales de calcio. En los perros, la administración de calcio por vía intravenosa contrarresta la taquicardia inducida por la tilmicosina y el inotropismo negativo (disminución de la contractilidad). La dobutamina contrarresta parcialmente los efectos inotrópicos negatives inducidos por la tilmicosina en perros. Los antagonistas β adrenérgicos, como el propranolol, exacerbaron el inotropismo negative de la inyección de tilmicosina en perros. La epinefrina potenció la letalidad de la inyección de tilmicosina en cerdos. Este antibiótico persiste en los tejidos durante varios días.

Precauciones:

No permita que caballos u otros equinos accedan al agua que contiene tilmicosina. No se ha establecido la seguridad de la tilmicosina en cerdos machos que se usan con fines de reproducción.

Trate siempre el menor número de animales necesario para controlar un brote de enfermedad respiratoria. Las recetas no deben renovarse.

No se recomienda el uso simultáneo de Tilmovet AC (tilmicosina coma fosfato) y otro macrólido por cualquier vía de administración. No se recomienda el uso de otro macrólido inmediatamente después de este uso de Tilmovet AC.

Reacciones adversas en animales:

se observó una disminución en el consumo de agua en cerdos saludables a los que se administró tilmicosina en estudios de seguridad en animales objetivo. Asegúrese de que los cerdos tengan acceso constante al agua medicada durante el período de tratamiento. Controle que las cerdos no presenten signos de rechazo al agua y deshidratación mientras se las esté tratando. Si se produce una disminución en el consumo de agua, reemplace el agua de consumo medicada por agua potable sin medicar y comuníquese con su veterinario.

Presentación:

Tilmovet AC se proporciana en botellas de plástico, color blanco de 960 ml selladas con tapas plásticas con rosca.

Condiciones de almacenamiento:

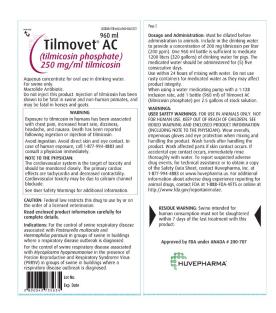
Almacenar a o menos 25° C (77° F). Excursiones permitidas a 40° C (104° F).

Proteger de la luz solar directa.

Fármaco restringido (California). Usar únicamente según las indicaciones. Aprobado por la FDA bajo ANADA # 200-707

Fabricado por: Huvepharma, Inc. 525 Westpark Drive, Suite 230 Peachtree City, GA 30269, EE. UU.

Huvepharma y Tilmovet son marcas registradas propiedad a Huvepharma EOOD.



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Tilmovet® AC

See User Safety Warnings for additional information.

CARTIONs, Federia law restricts this drug to use by or on
the order of all icensed veterianstan.

Active Drug ingredients timiticosin (as tilmicosin
phosphast) 250 mg/ml

Descriptions Tilmicosin is produced semisynthetically and is in the macrodicel case of antibiotic
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solution contains 250 mg of tilmicosin
indications, for the control of swim respiratory disease
associated with Posteurolia multicoda and Hoemophilius
pracusus in groups of swime in buildings where a
respiratory disease outbreak is disgnosed.
For the control of swime respiratory disease
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produced by swime respiratory swime and
Porcine Reproductive and Respiratory Syndrome Virus
(RRSSY) in groups of swime in buildings where a
respiratory disease outbreak is diagnosed.

Desage and Administration: Must be diluted before administration to animals. Include in the dinking water to provide a concentration of 20 mg littliness in per little (260 ppm.) One 966 ml bottle is sufficient to medicate 1200 littles (230 ppm.) One 966 ml bottle is sufficient to medicated ovater should be administered for (5) live medicated water should be administered for (5) live use of the sum of the

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within 7 days of the leaf teatment with this product.

Note to the Physician: The cardiovascular toxicity and should be monitored closely. Cardiovascular toxicity and should be monitored closely. Cardiovascular toxicity may be due to a cloim channel blockels in days, administration of intervences caloum offset intervences contractifities). Delutamine partially offset the negative instropic effects induced by tilmicosin injection in days. Pedienergical analysis such as programbil, injection in doss, Epinephrine potentiated effentive instruction in doss. Epinephrine potentiated effentive pressure in tissues for several days.

Percautions:

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Page 5

Always treat the fewest number of animals necessary to control a respiratory disease outbreak. Prescriptions to control a respiratory disease outbreak (Prescriptions of the control of th

transcosa prospisate) and animal maceroide yarry arrivations prospisate) and animal maceroide yarry arrivation and animal maceroide yarry arrivation and animal selections in Animals: Decreased water Adverse Reactions in Animals: Decreased water animal safety studies. The animal safety studies are all the safety animal safety studies and animal safety studies. The safety shall be a safety studies and animal safety studies are safety safety and safety studies. The safety safe

Effectiveness: the effectiveness of limitions in phosphate for the control of SRO associated with P. multication and H. porosous was confirmed in a natural infection field sudy across six U.S. sixs. A total of 960 assigned to the Ulmicosi-Heated group (200 mg timitions). If an infinitely water for 5 consecutive days), or a non-medicated control group.

Pigs that 1) were found dead and were diagnosed with \$50, or 2) had a depression score and a respiratory \$150, or 2) had a depression score and a respiratory and a rectal respiratory and depression scores of 1 or 0 and rectal temperature valuated for treatment success (respiration and depression scores of 1 or 0 and rectal temperature valuated for treatment success (respiration and depression scores of 1 or 0 and rectal temperature valuated for treatment success (respiratory and depression scores of 1 or 0 and rectal temperature valuated for the control of the properties of the respiratory and the respiratory and the properties of the control of group (230/47, 4.7.89%) compared to the control group plays were enrolled and challenged with M. Myopaneumonous in the control group of the properties of the control group (230/47, 4.7.89%) compared to play and compared to play and control group (230/47, 4.7.89%) control group (230/47

A target animal safety study was conducted to evaluate the tolerance of tilmicosin phosphate solution in pigs when administered in drinking water.

Twenty pigs were administered medicated water at 0, 200, 400, or 600 mg/l (0), R. 2X, or 3X the lebeled company of the pigs of

UB2830v1TfimACos960-USA1221

TILMOVET AC ORAL SOLUTION

tilmicosin phosphate concentrate

Product Information						
Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:23243-7287			
Route of Administration	Oral					

Active Ingredient/Active Moiety					
Ingredient Name	Basis of Strength	Strength			
TILMICOSIN PHOSPHATE (UNII: SMH7U1S683) (TILMICOSIN - UNII: XL4103X2E3)	TILMICOSIN PHOSPHATE	250 mg in 1 mL			

Packaging							
#	Item Code	Package Description	Marketing	Start Date	Marl	keting End Date	
1	NDC:23243-7287-1	960 mL in 1 BOTTLE					
Marketing Information							
	Marketing Category	Application Number or Mo Citation	onograph	Marketing S Date	tart	Marketing End Date	

Labeler - Huvepharma, Inc. (619153559)

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01/25/2022