FIRST PRIORITY, INC.



January 10, 2003

9281 '03 JAN 15 A9:45

Dockets Management Branch HFA-305 5630 Fishers Lane, Room 1061 Rockville, MD 20852

CITIZEN PETITION (ANADA SUITABILITY PETITION)

First Priority, Inc hereby submits this petition under Section 512 (n) (3) of the Federal Food, Drug and Cosmetic Act to seek permission from the Director, Office of New Animal Drug Evaluation, Center for Veterinary Medicine, to file a supplement to an Approved Abbreviated New Animal Drug Application (ANADA) which differs in the route of administration from the innovator product.

A. Action requested

First Priority, Inc seeks permission to file a supplemental ANADA for a generic equivalent of the innovator product, Privermectin™ Equine Oral Liquid, ANADA 200-321, First Priority, Inc., which differs from the innovator product in the route of administration.

The proposed Privermectin™ Equine Oral Liquid route of administration is to be labeled:

Privermectin™ Equine Oral Liquid for Horses is formulated for administration as an oral drench

The innovator product, Privermectin™ Equine Oral Liquid is labeled with the following route of administration:

Privermectin™ Equine Oral Liquid for Horses is formulated for administration by stomach tube (nasogastric intubation) or as an oral drench.

First Priority, Inc is requesting this change in the route of administration, deleting all reference to route of administration by stomach tube (nasogastric intubation), enabling the labeling of Privermectin[™] Equine Oral Liquid for sale as an over-the-counter (OTC) product. The innovator Privermectin[™] Equine Oral Liquid is an approved new animal drug (ANADA 200-321) which is labeled: CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Three copies of the approved innovator 100 mL labeling and three copies of all proposed labeling for the requested change in route of administration are attached. Appropriate changes for the change in route of administration and the change to OTC status have been included in the proposed labeling, in particular, advice to consult with a veterinarian consistent with the labeling for the OTC product, Eqvalan® Paste for Horses, NADA 134-314.

03P-0013

CP/

B. Statement of grounds

Under provisions of the Federal Food, Drug, and Cosmetic Act, Section 512 (n)

- (3) If a person wants to submit an abbreviated application for a new animal drug--
 - (A) whose active ingredients, route of administration, dosage form, or strength differ from that of an approved new animal drug, or
 - (B) whose use with other animal drugs in animal feed differs from that of an approved new animal drug,

such person shall submit a petition to the Secretary seeking permission to file such an application.

This ANADA Suitability Petition qualifies under the provisions of the Federal Food, Drug, and Cosmetic Act, Section 512 (n) (3) (A) in that permission is sought to change only the route of administration of an approved new animal drug.

The active ingredient in PrivermectinTM Equine Oral Liquid, ivermectin, will be the same as the innovator PrivermectinTM Equine Oral Liquid and will be included in the generic product at the same concentration and dosed at the same rate and frequency as the innovator:

A. DOSAGE FORM: Ivermectin Oral Liquid 10 mg/mL

B. ROUTE OF ADMINISTRATION: Privermectin[™] Equine Oral Liquid is to be administered

by oral drench.

C. RECOMMENDED DOSAGE: The recommended dose is 200 mcg of ivermectin per

kilogram (91 mcg/lb) body weight.

C. Environmental impact

First Priority, Inc requests that this petition be considered for categorical exclusion under 21 CFR 25.24.

D. Economic impact

An economic impact analysis will be provided if requested after review of this petition.

E. Certification

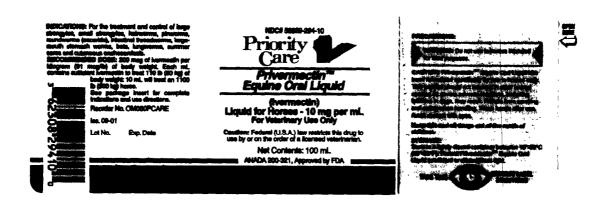
The undersigned certifies that, to the best knowledge and belief of the undersigned, this petition includes all information and views on which the petition relies, and that it includes representative data and information known to the petitioner which are unfavorable to the petition.

Deepak Naik, Director of Regulatory Affairs

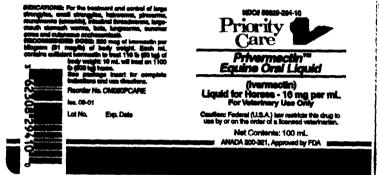
First Priority, Inc 1585 Todd Farm Drive

Elgin, IL 60123-1146



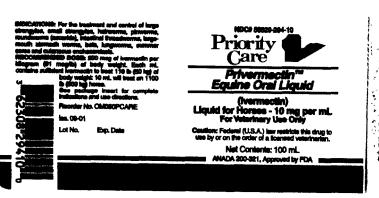


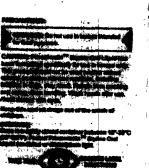


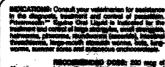












Begreter No. On

NO VARNISH

(Vermodin) Liquid for Horise - 10 mg per mL For Veterinary Use Only

For Finland Dire Body - Body Bod of Danie of Children Flor Committee - CO with Housean - AMADA TOPAN, Approved by TOPA - majority

NDO# 80009-294-19

Priority

Care

WARRING: Do not use in hi intended for food purposes. **6:** Do not use in house

Oth Phasmoute" Agains Cost Liquis has medicing specifically for you is become only makes marks not be send in other passes all county adopted reliations. Helicaling for

the first and all drags out of the reach of this

mm mm (# 15 %)

Environmental Safety: Studies indicate that when ivermedin comes in contact with the soil. it readily and tightly binds to the soil and becomes inactive over time. Free ivermecting may adversely affect fish and certain water. borne organisms on which they feed Do not contaminate takes, streams, or ground water by direct application or by improper disposal of drug containers. Dispose of drug container in an approved landfill or by incineration

Note to User: Swelling and itching reactions after treatment with Privermectin® Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilariae, Onchocerca so These reactions were most Unconcerca sp. These reactions were most likely the result of microfilenae dying in large numbers. Symptomatic treatment may be advisable. Consult your veterinarian should any such reactions occur

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin." Equine Oral

Liquid Reinfection, and measures for its prevention, should also be considered Consult your vetermanan if the condition does not

Package Information: Privermectin™ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32.46 fl to 2) plastic bottles. Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows.

100 mL		10-500 kg (1100 lb) horses	
200 mL		20-500 kg (1100 lb) horses	
500 mL		50-500 kg (1100 lb) horses	
960 mL		96-500 kg (1100 lb) horses	

Contents may be poured into a graduated cylinder for dose measurement. Atternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose.



FIRST PRIORITY, INC., Eigin, IL 60123-1146, U.S.A.

Weldfellight Do not use in homes intended for food purposes.

reposito^{the} Eiguine Onel Liquid Inco Committee of participation of the committee of the commit Strings, carry made Parlies South Street

Kong this and all drugs and of the result of



FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid

(Ivermectin) Liquid for Horses - 10 mg per mi.

	Page
Introduction	2
Description	2
Indications	3.4
Dosage	4
Administration	4, 5, 6
Suggested Parasite Control Program	6
Mode of Action	6, 7
Safety	7, 8
Precautions	8
Environmental Safety	9
Note to User	9, 10
Package Information	10

1

Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench. One low-volume dose is effective against important internal parasites, including the artenal stages of Strongylus vulgans, and bots.

hermedin is a potent antipersatic agent whose chemical structure is different from those of other antipersatic agents its convenience, broadspectrum efficacy and safety margin make Privermedin™ Equine Oral Liquid an ideal perasite control product for horses

Privermectin™ is a registered trademark of First Priority, Inc., Elgan, IL 60123-1146

Product Description: Ivermectin is derived from Product Description: Inermedian is genred from the avermedins, a family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation of Streptomyces avermititis. Privermedin " Equine Oral Liquid is a clear, readyto-use solution with each mL containing 1%

2

ivermectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1.3 mg sodium phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene. 0 1 mg disodium edetate, 3% benzyt sicohol and punfied water q s. ad 100%

Product Indications: Privermectin[™] Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or parasitio conditions in horses.

Large Strongytte: Strongytus vulgaris (adults and arteriel larvel stages), S. edentatus (adults and tissue stages), S. equinus (adults). Triodontophorus spp (adults)

Small Strongylae - including those resistant to some berizinidazole class compounds (adults and fourth-stage larvee). Cyathostomum spp., Cylicosyclus spp. Cylicostephanus spp.

Pinworms (adults and fourth-stage lervae)

Ascaride (adults and third- and fourth-stage larvae) Parascaris equorum

Hairworms (adults) Trichostrongylus axer Large-mouth Stomech Worms (adults) Hahmneme muerae

Bots (oral and gastric stages) Gastrophilus spp Lungworms (adults and fourth-stage larvae)
Dictyocaulus amfield

Intestinal Threadworms (adults): Strongyloides

Summer Some caused by Habroneme and Draschia app cutaneous third-stage larvee Dermetitie caused by neck threadworm microfilense, Onchocerca sp.

Dosage: Privermectin'" Equine Oral Liquid for Horses is formulated for administration by oral drench The recommended dose is 200 mcg of wermechin per killogram (91 mcg/b) of bodyweight Each mt. contains sufficient ivermechin to treat 1.10 lb (50 kg) of body weight 10 mL will treat an 1100 to (500 kg) horse

Administration: Use a calibrated dosing symnge inserted into the bottle to measure the appropriate dose, or pour the Privermectin Equine Oral Liquid ouse, or pour law investment is expanse that and on the or a requirement.

Use a clean syringe if accessing the bottle to avoid contaminating the remaining product.

11

Administration by drench: For administration by oral drench, use of an undiluted dose is oral orench, use of an undulated close is recommended Clear the horse's mouth of any load material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back of the mouth in order to evol traches and lungs, do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the volume, and do not deposit the dose in the taryingeal area. Increased dose rejection may occur if the dose is deposited in the buccal space Keep the horse's head elevated and observe the horse to insure the dose is retained.

Suggested Parasite Control Program: All horses should be included in a regular parasite control program with particular attention being paid conaro program wan parinciara ameninon being per to manes, foels and yeerlings. Foels should be treated initially at 6 to 6 weeks of ege, and routine treatment repeated as appropriate Consult your veterinarian for a control program to meet your specific needs Privermectin. Equine oral Liquid effectively controls gastrointestinal nematodes and bots in horses. Regular treatment will reduce the chances of verminous arteritis and colic caused by S vulgaris. With its broad spectrum. Privermechn' Equine Oral Liquid is well suited to be the major product in a parasite control program

Mode of Action: Ivermedin, one of the evermectors, kills certain parasitic roundworms and ectoparasities such as mites and lice. The avermedins are different in their action from other antiparastic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chemical, a neurotransmitter, is called gammaaminobutyric acid or GABA. In roundworms, ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junction thus interrupting nerve impulses - thereby peralyzing and killing the parasite

The enhancement of the GABA effect in arthropods such as mites and lice resembles that in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell. Agein, this leads to paralysis and

The principle peripheral neurotransmitter in mammals, acetylcholine, is unaffected by wermectin ivermectin does not readily penetrate the cantral nervous system of mammals where GABA functions as a neurotransmitter.

Safety: Privermectin™ Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated

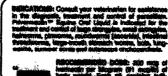
without adversely affecting their fertility These horses have been treated with no adverse effects other than those noted under **Note to User**.

Proceutions

- "recatusors"
 Caution Privermectin" Equine Oral Liquid has been formulated specifically for use in horses only This product should not be used in other animal species as severe adverse reactions including fatalities in doge, may result
- Refrain from smoking and eating when handling Wash hands after use Avoid contact with eyes. Keep this and all drugs out of the reach of children.
- Store in a tightly closed container at room temperature (between 15' 30'C, 59' 86'F) Protect Privermectin™ Equine Oral Liquid

from light For customer service, contact First Priority, Inc. 1585 Todd Farm Drive Elgin, II. 60123-1146 1-800-650-4899

•



th per Mayron (F) month of which bear at Common but without to mad 110 b (80 kg) of might 10 mit will seem on 1100 b NO VARNISH

HDC# 59829-294-10 Priority Care' AND THE P (Numbettin)

Liquid for Horses - 10 mg per mL. For Veterinary Use Only

Per Anhand San Gisty - House Stad of General at Children Mail Combusin: 100 trail. COMBUSE AMADA 200-001, Approved by POA - opposed

id: Do not use in horses intended for food purposes.

CALTRON: Privarements." Signing Cree Liquid has been immediately grantlengly for each in horses and; This product in Study or the Study of the study in other partial districts in his study of the study in other partial districts in his study of the study in the study of the stu

Name that and all drops and of the reach of obli-

STORAGE: Store in a lightly closed container happen 18"-50"C (88"-68"9). Protect Privarenc-tin Equine Crel Lightl from Eght.



Environmental Safety: Studies indicate that when ivermectin comes in contact with the soil. it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed Do not contaminate lakes, streams, or ground water by direct application or by improper disposal of drug containers. Dispose of drug container in an approved landfill or by incineration.

Note to User: Swelling and itching reactions after treatment with Privermectin" Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilariae. Intections of Inecongram interchange, Onchooperca sp. These reactions were most likely the result of microfilanae dying in large numbers Symptomatic treatment may be advisable Consult your veterinarian should any such reactions occur.

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin™ Equine Oral ۰

Liquid Reinfection, and measures for its prevention, should also be considered Consult your veterinarian if the condition does not

Package Information. Privermectin™ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32 46 fl oz) plastic bottles Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows

100 mL 10-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder contents may be poured into a graduated cylander for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose

Priority (Care

sould you with for less FIRST PRIORITY, INC., Elgin, IL 60123-1146, U.S.A.

illi: Do not use in homes intended 🔏

CAUTION: Printments** Equine One Usual Inc. been forestand qualificity for use in house of This product should not be used in other entered speaks as severe advance reactions, including studies in those, may result Pathetin from anothe soil widing when handing thinks hands after us

Kage this and all drops out of the reach of

killift: Store in a tightly aboute container in 157-50°C (557-56°F), Protect realls⁷⁰ Equine One Liquid from light.

100 to (1) 100 to 100 t

FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid

(Ivermectin) Liquid for Horses - 10 mg per mL

Introduction Description indications 3.4 Dosage Administration Suggested Parasite Control Program Mode of Action Safety Precautions 8 Environmental Salety Note to User 9. 10 Package Information

Introduction

Frivermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral dranch One low-volume does a effective against important internal parasites, including the artenal stages of Strongytus vulgers, and bots

Ivermectin is a potent antiparastic agent whose chemical structure is different from those of other antipersetic agents its convenience, broad-spectrum efficacy and safety margin make Privermectin™ Equine Oral Liquid an ideal parasite control product for horses

Privermectin™ is a registered trademark of First Priority, Inc., Elgin, It. 60123-1146

Product Description: Ivermectin is derived from the avermectins, a family of notent broadspectrum antiparasitic agents, which are isolated from termentation of Streptomyces avernatilis.

Privermectin" Equine Oral Liquid is a clear, readyto-use solution with each miL containing 1%

ivermectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1 3 mg sodium monobasic municipative, 1.5 mg soulum phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene, 0.1 mg disodium edetale, 3% benzyl alcohol and punified water q s. ad 100%

Product Indications: PrivermectinTM Equine Oral Liquid is indicated for the effective treatment and control of the following parasities or parasitic conditions in horses

Large Strongyles: Strongylus vulgaris (adults and arterial larvel stages), S. edentatus (adults and tissue stages), S. equinus (adults), Triodontophorus spo (edults)

Small Strongyles - including those resistant to some benzmidazole class compounds (adults and fourth-stage larvae) Cyathostomum spp.
Cylcocyclus spp. Cylcostephanus spp. Cylicodontophorus spo

Pinworms (aduks and fourth-stage larvae)

Ascarids (adults and third- and lourth-stage arvee) Parascens equorum

Heirworms (adults) Trichostronovius axer Large-mouth Stomach Worms (adults)

Bots (one and pastric stages) Gastrophikus soo Lungworms (adults and fourth-stage larvae)

Intestinal Threadworms (adults) Stronoviories

Summer Scree caused by Habroneme and Draschia app cutaneous third-stage larvee Dermatitie caused by neck threadworm

Dosage: Privermectn" Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mog of nermectin per kilogram (91 mcg/b) of bodyweight Each mL contains sufficient ivermectin to treat 110 Each mL contains sufficient ivermectin to freat 110 b (50 kg) of body weight 10 mL will treat an 1100 lb (500 kg) horse

Administration: Use a calibrated dosing syringe inserted into the bottle to measure the appropriate dose, or pour the Privermectin™ Equine Oral Liquid into a graduated cylinder for dose measurement Use a clean syringe if accessing the bottle to avoid contaminating the remaining product

Administration by dranch: For administration by oral drench, use of an undituted dose is recommended Clear the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for material to enter the hee and lungs, do not use excess (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the close is denosited in the buccal space. Keep the horse's head elevated and observe the horse to insure the dose is retained.

Suggested Parasite Control Program: All horses should be included in a regular parasite control program with particular attention being paid to maries, toals and yearings. Foals should be to trease, trains any yearings. "roals should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate Consult your veterinarian for a control program to meet your specific needs Privementolin" Equine Oral Liquid effectively controls gearolinestinal nematodes and bots in horses. Regular treatment will reduce the chances of verminous artentis and colic caused by S wilgers. With its broad spectrum, Privermectn' Equine Oral Liquid is well suited to be the major product in a parasite control program

Mode of Action: Ivermectin, one of the evermectins, kills certain parasitic roundworms and ectoparasities such as mites and itice. The rmectins are different in their action from other antiparasitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chemical, a neurotransmitter, is called gammaaminobutyric acid or GABA. In roundworms, ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus interrupting nerve impulses - thereby paralyzing and killing the parasite.

The enhancement of the GABA effect in IN a writernament of the GABA effect in anthropods such as mittee and lice resembles the in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell. Again, this leads to paralysis and death.

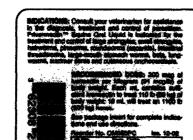
The principle peripheral neurotransmitter in mammals, acetylcholine, is unaffected by wermectin, ivermectin does not readily penetrate the central nervous system of mammals where

Safety: Privermectin™ Equine Oral Liquid may be used in horses of all ages including meres at any stage of pregnancy. Stallions may be treated

without adversally affecting their fertility These horses have been treated with no adverse effects other than those noted under Note to User.

- Caution Privermectin* Equine Oral Liquid has been formulated specifically for use in horses
 only This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result
- Refrain from smoking and eating when handling Wash hands after use Avoid contact with eyes. Keep this and all drugs out of the reach of children.
- Store in a tightly closed container at room
- temperature (between 15' 30'C, 59' 86'F) Protect Privermectin" Equine Oral Liquid

from light For customer service, contact First Priority, Inc. 1585 Todd Farm Drive Eighn, IL 60123-1146 1-800-650-4898



NO VARINISH



Liquid for Horses - 10 mg per mL For Veterinary Usis Only

For Ashinsh line Birly - North Study Bollah Branch of Children Han Conductus: 1975 mil. Handan - AMADA 200 Mill, Applicatelly FDA - manual



title Do not use in horses ended for food purposes.

Milds Princerencie " Bearing Cont Laguid Rea Control of Control of Laguid Information of the Control of Co

s this and all drays out of the mach of this



Note to User

Package Information

Environmental Safety. Studies indicate that it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain waterborne organisms on which they feed Do not contaminate lakes, streams, or ground water by direct application or by exproper disposal of drug containers. Dispose of drug container in an approved landfilf or by incineration

Note to User: Swelling and liching reactions after treatment with Privermectin *Equine Oral Liquid have occurred in horsee carrying heavy infections of neck threadworm microfilaries. Onchocerca sp. These reactions were most likely the result of microfilaries dying in large numbers. Symptomatic treatment may be authosised. Consult your veterinarian should any such reactions occur

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin Equine Oral

Liquid Reinfection, and measures for its prevention, should also be considered. Consult your veterinarian if the condition does not

Package Information • Privermectin™ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32.46 ft αz.) plastic bottles Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows

() TOO ID, THOROUGH AND TOMOTHO				
100 mL	10-500 kg (1100 lb) horses			
200 mL	20-500 kg (1100 lb) horses			
500 mL	50-500 kg (1100 lb) horses			
960 mL	96-500 kg (1100 lb) horses			

Contents may be poured into a graduated cylinder tor dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose.

10

Priority Care' would you with too here

FIRST PRIORITY, INC., Elgin, IL 60123-1146, U.S.A

WMWWWG: Co.nut use in homes intended a

CANFIDER: Privatescies¹⁰ Equito Oral Liquid Instituto Salaria base forequest apacifically bit use in burious grify. This product officials not by used to other entropic in degra, may result for

Knop this and all drags out of the reach of



FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid (ivermectin) Liquid for Horses - 10 mg per mt.

Page Introduction Description indications 3, 4 Dosage 4, 5, 6 Suggested Parasite Control Program Mode of Action Precautions Environmental Safety

Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench. One low-volume dose is effective

against important internal parasites, including the arterial stages of Strongylus vulgans, and bots. fvermectin is a potent antiperasitic agent whose chemical structure is different from those of other isitic agents its convenience, broadspectrum efficacy and safety margin make Privermectin™ Equine Oral Liquid an ideal

parasite control product for horses Privermectin™ is a registered trademark of First Priority, Inc., Elgm, IL 60123-1146

Product Description: Ivermectin is derived from the avermectins, a family of potent, broad-spectrum antiparaetic agents, which are isolated from fermentation of Streptomyces avermitilis. mectin™ Equine Oral Liquid is a clear, readyto-use solution with each ml. containing 1%

ivermectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1 3 mg sodium phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene. 0 1 mg disodium edetate, 3% benzyl alcohol and purified water q s. ad 100%

Product Indications: Privermectin™ Equine Oral Liquid is indicated for the effective treatment and control of the following parasities or parasitic conditions in horses

Large Strongyles: Strongylus vulgaris (adults and arterial larvel stages), S. edentaks (adults and tissue stages), S. equinus (adults), Thodontophorus soo (adults)

Small Strongylee - including those resistant to some benzimidazole class compounds (adults and lourth-stage larvee). Cyethoelomum spp., Cyfloosydus spp. Cyflooslephanus spp., Cyficodontophorus spp

3

worms (adults and fourth-stage larvae) Oxyunis equi

Ascarids (adults and third- and fourth-stage larvae) Parascens equorum

Heirworms (adults) Trichostrongylus exer Large-mouth Stomach Worms (adults) Hahmnama muscad

Bots (oral and gastric stages) Gastrophilus spp Lungworms (adults and fourth-stage larvae)

Intestinal Threadworms (adults) Strongyloides

Summer Scree caused by Habronema and Draschia spp cutaneous third-stage larvae Dermattile caused by neck threadworm microfilanee, Onchocerca sp.

Dosage. Privermectin' Equine Oral Liquid for Horses is formulated for administration by oral drench The recommended dose is 200 mg of nermectin per kilogram (91 mog/b) of bodyweight Each mit, contains sufficient ivermectin to treat 110 b (50 kg) of body weight 10 mit, will treat an 1100 lb (500 kg) horse

Administration: Use a calibrated dosing syrings inserted into the bottle to measure the appropriate dose, or pour the Privermectin* Equine Oral Liquid into a graduated cylinder for dose measurement.

Use a clean syringe if accessing the bottle to avoid contaminating the remaining product

11

Administration by drench: For administration by oral dranch, use of an undiluted does is oral orench, use of an undituted dose is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the dose is deposited in the buccal space Keep the horse's head elevated and observe the horse to insure the dose is retained

eted Paraelte Control Program: Ali horses should be included in a regular parasite control program with particular attention being peut control program with particular attention being peut to marres, bals and yearings. Foels should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate. Consult your treatment repeated as appropriate Consult your veterinanian for a control program to meet your specific needs Privermedin" Equine Oral Liquid effectively controls gastrointestinal nematodes and bots in horses. Requier treatment will reck up the chances of verminous arteritis and colic caused by S vulcaris With its broad spacinum. Presermacin' Equine Oral Liquid is well suited to be the major product in a parasite control program

Mode of Action: Ivermectin, one of the avermectins, kills certain parasitic roundworms and ectoparasities such as miles and lice. The avermectins are different in their action from other antiperastic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chemical, a neurotransmitter is called gammaminobutyric acid or GABA in roundworms, ivermedtin stimulates the rele GABA from herve endings and enhances binding of GABA to special receptors at nerve junctions. thus interrupting nerve impulses - thereby

The enhancement of the GABA effect in arthmoods such as mittee and line recombles that in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell. Again, this leads to paralysis and

The principle peripheral neurotransmitter in mammals, acetylcholine, is unaffected by ivermectin ivermectin does not readily pe the central nervous system of mammals where GABA functions as a neurotransmitter

Safety: Privermectin™ Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated

without adversely affecting their tertility. These horses have been treated with no adverse effects other than those noted under **Note to User**.

- Precautions

 Caution Privermectin* Equine Oral Liquid has been formulated appolically for use in horses only This product should not be used in other animal spacies as severe adverse reactions, including fetalities in dogs, may result
- Retrain from smoking and eating when handling Wash hands after use. Avoid contact with eyes, Keep this and all druge out of the reach of children.
- Store in a tightly closed container at room temperature (between 15' 30'C, 59' 86'F) Protect Privermectin" Equine Oral Liquid

from light For customer service, contact First Priority, Inc. 1585 Todd Farm Drive

5

Elgin, IL 80123-1148 1-800-850-4899



NO VARNISH

Priority Care' (framedin) Liquid for Horses - 10 mg per ml. For Veterinary Use Only

For Animal United to Flags Out of House of Shiftens Nat Contents: 200 est House ANADA 200 det, Agents by FSA. House

WAPMING Co not use in horses intended for tood purposes.

GANTOCK: Private color " Stanton Cred Sized has destributed suppliedly for son in hydron delp. This product shall not be used to give antend enables on several private reaction, feeding strategic and in a delp, may could. Which hands other use and delay when handling. West hands other use.

اللباء المراقعين مجاز المراويين ويسيطر الأو المادرين

Environmental Safety: Studies indicate that when ivermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermecting may adversely affect fish and certain water-borne organisms on which they feed. Do not contaminate takes, streams, or ground water by direct application or by improper disposal of drug containers Dispose of drug container in an approved landfill or by incineration

Note to User: Swelling and itching reactions after treatment with Privarmectin's Equine Oral Liquid have occurred in horses carrying heavy intections of neck threadworm microfilariae Onchocerca sp These reactions were most likely the result of microfilance dying in large numbers Symptomatic treatment may be advisable Consult your veterinarian should any such reactions occur

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin" Equine Oral

Liquid Reinfection, and measures for its prevention, should also be considered Consult your veteringrian if the condition does not

Package Information: Privermectin ** Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32 46 ft oz.) plastic bottles. Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows.

100 mL 10-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to

10

Priority Care '

FIRST PRIORITY, INC. Floin II 60123-1146 U.S.A. Marie Arimonia

Milk Do not use in homes intended

CASTRON: Privaments ** Squires Cent Laguet has been tomanism specifically for use in house only. The product forced made in used to other content appellating to extract missing specific may extract missing to dispersion of the content of the cont

Keep this and all drugs out of the reach of

THE RESERVE THE PERSON NAMED IN

FOR VETERINARY LIRE ONLY

Privermectin™ Equine Oral Liquid

(ivermectin) Liquid for Horses - 10 mg per mt.

	Page
introduction	`2
Description	2
Indications	3, 4
Dosage	4
Administration	4, 5, 6
Suggested Parasite Control Program	6
Mode of Action	6, 7
Safety	7, 8
Precautions	8
Environmental Safety	9
Note to User	9, 10
Package Information	10

Introduction

Privermechn™ Equine Oral Liquid (ivermechn)
for Horses has been formulated for administration
by oral drench One low-volume dose is effective
agenst important internal parasites, including the
artenal stages of Strongylus vulgaris, and bots

Ivermectin is a potent antiparasitic agent whose chemical structure is different from those of other entionical structure is convenience, broad-spectrum efficacy and safety margin make Privermectin[™] Equine Oral Liquid an ideal parasite control product for horses

Privermectin™ is a registered trademark of First Priority, Inc., Elgin, IL 60123-1146

Product Description: Ivermedtin is derived from Product Description: Ivermed in is derived from the avermedities, a family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation of Streptomyces avermities Privermed in "Equine Oral Liquid is a clear, ready-to-use solution with each mit, containing 1%

rvermectin (10 mg), 0.2 ml. propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobase: monohydrate. 13 mg sodium phosphate dibasic arhydrous, 1 mg butylated hydroxytoluene, 0.1 mg disodium edistata, 3%, berzyl alcohol and pumled water q.s. ad 100%

Product Indications: Privermectin™ Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or parasitic conditions in horses

Large Strongyles: Strongylus vulgans (adults and arterial larvel stages), S. edentatus (adults and tissue stages), S. equinus (adults), Triodontophorus app (adults)

Small Strongyles - including those resistant to some benzimidiszole class compounds (adults and fourth-stage larvae). Cyethostomum spp., Cylicocyclus spp., Cylicostephanus spp. Culinariantantanta enn

Pinworms (adults and fourth-stage larvae)

Ascends (adults and third- and fourth-stage larvae) Parascans equorum

Heinworms (adults) Trichostrongylus axei Large-mouth Stomach Worms (adults) Habronema muscae

Bots (oral and gastric stages) Gastrophilus sop Lungworms (adults and fourth-stage larvae) Dicheocoulus ambaldi

Intestinal Threadworms (adults) Strongyloides

Summer Scree caused by Habronema and Draschia spp cutaneous third-stage larvee. Dermatitis caused by neck threadworm microfilariae. Onchocerce so.

Dosage: Privermectin" Equine Oral Liquid for Horses is formulated for administration by oral drench The recommended dose is 200 mog of vermactin per kilogram (91 mog/lb) of bodyweight Each mL contains sufficient ivermectin to treat 110 to (50 kg) of body weight 10 mL will treat an 1100 to (500 kg) horse

inserted into the hottle to messure the appropriate dose, or pour the Privermectin* Equine Oral Liquid into a graduated cylinder for dose measurement Use a clean syringe if accessing the bottle to avoid contaminating the remaining product

11

Administration by drench: For administration by oral drench, use of an undiluted dose is recommended. Cleer the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back of the mouth in order to avoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure traches and lungs, do not use existsive pressure (squiring), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose repiction may occur if the dose is deposited in the buccal space Keep the horse's head elevated and observe the horse to resure the dose is retained.

5

Suggested Paraelte Control Program: All horses should be included in a regular parasite control program with particular attention being paid control program were paracular attenuori being pas-to mares, foals and yearlings. Foals should be treated indulty at 6 to 8 weeks of age, and routine treatment repeated as appropriate Consult your veterinanan for a control program to meet your specific needs. Privermectin "Equine Oral Louid effectively controls negtrontesting negatively bots in horses. Regular treatment will reduce the chances of verminous arteritis and colic caused by S. vulgaris. With its broad spectrum, Privermedia Equine Oral Liquid is well suited to be the major product in a parasite control program

Mode of Action: Ivermectin, one of the avermectins, kills certain parasitic roundworms and ectoparasites such as males and lice. The avermedtins are different in their action from other antiparasitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chamical is neurotransmitter is called gammaaminobutync acid or GABA In mundworms, wermertin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus interrupting nerve impulses – thereby peralyzing and killing the perasite

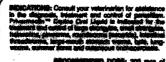
The enhancement of the GARA effect in in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell. Again, this leads to paralysis and

The principle peripheral neurotransmitter in mammels, acetylcholine, is unaffected by vermectin ivermectin does not readily penetrate the central nervous system of mamma GABA functions as a neurotransmitter

Safety: Privermectin'* Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated without adversely affecting their fertility These horses have been treated with no adverse effects other than those noted under Note to Liner.

- Precautions
 Caution Privermectin™ Equine Oral Liquid has been formulated specifically for use in horses only This product should not be used in other animal species as severe adverse real including tatalities in dogs, may result
- Refrain from smoking and eating when handling Wash hands after use Avoid contact with eyes Keep this and all drugs out of the reach of children.
- Store in a tightly closed container at room temperature (between 15' 30'C, 59' 86'F) Protect Privermectin™ Equine Oral Liquid

Protect Privermectin " Equi from light.
 For customer service, contact First Priority; Inc. 1585 Todd Farm Drive Elgin, II. 80123-1146 1-800-650-4899



NO VARNISH

Priority Care

(Normacilit) Liquid for Homes - 10 mg per ml. For Veterinary Use Only

For Authors (the State - State State of States of California State Combunes: 200 and ANADA SED-SET, Appended by FEA.

WARRANG: Do not use in horses intended for load purposes.

CAPTION: Programmin — Squiter Oral Liquid has been torricated appellicable for use in bottles calls, TISE profession structured to care in bottles and parties on closes schools appellicable parties applies to dept. Some parties to dept. Some parties and finding when you and the bank hards applied and finding when you and the bank hards after use.

Kiping this and all drags suct of the range of shift-



Environmental Safety. Studies indicate that when ivermectin comes in contact with the soil, it readily and troubly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain waterborne organisms on which they feed Do not contaminate takes, streams, or ground water by direct application or by improper disposal of drug containers. Dispose of drug container in an approved landfill or by incineration

Note to User: Swelling and riching reactions after treatment with Privermectin." Equine Oral Liquid have occurred in horses carrying heavy Onchocerce so. These reactions were most likely the result of microfilariae dying in large numbers. Symptomatic treatment may be advisable Consult your veterinarian should any such reactions occur

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin's Equine Oral

Liquid Reinfection, and measures for its prevention, should also be considered Consult your veterinarian if the condition does not

Package Information: Privermectin Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32 46 ft oz) plastic bottles Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows

 100 mL
 10-500 kg (1100 lb) horses

 200 mL
 20-500 kg (1100 lb) horses

 500 mL
 50-500 kg (1100 lb) horses

 960 mL
 96-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder contents may be poured into a graduated cylinde for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose.

Priority | Care' ould you settle for less?

FIRST PRIORITY, INC., Elgin, IL 60123-1146, U.S.A.

WANTED Do not yet in horses intended

controlled by the second of th

Kenip this and all strage out of the recen of



FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid

(ivermectin) Liquid for Horses - 10 mg per mi.

Introduction Description Indications 3.4 Dosage Administration 4.5 6 Suggested Parasite Control Program Mode of Action Safety Precautions 7.8 Environmental Safety Note to User 9.10 Package Information

Introduction
Privermectin™ Equine Oral Liquid (ivermectin)
for Horses has been formulated for administration
by oral drench. One low-volume dose is effective
against important internal parasites, including the
artenal stages of Strongylus vulgaris, and bots

ivermectin is a potent antiparasitic agent whose chemical structure is different from those of other antinarasitic agents its convenience broadspectrum efficacy and safety margin make Privermectin™ Equine Oral Liquid an ideal parasite control product for horse

Privermectan™ is a registered trademark of First Priority, Inc., Elgin, IL 60123-1146

Product Description: Ivermedia is derived from the avermedias, a family of potent, broadthe avermectins, a tarnity of powert, productions as spectrum antiperastic agents, which are isolated from fermentation of *Streptomyces avermittils*.

Privermectin Equine Onal Liquid is a clear, readyto-use solution with each ml. containing 1%

ivermectin (10 mg), 0.2 ml. propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1 3 mg sodium phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene, 0 1 mg disodium edetate, 3% benzyl alcohol and purified water q s. ad 100%

Product Indications: Privermectin™ Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or parasitic

Large Strongytes: Strongytus vulgaris (adults and arterial larval stages), S. edentatus (adults and tissue stages), S. equinus (adults). Triodontophorus spp (adults)

Small Strongyles - including those resistant to some benzimidazole class compounds (adults and tourth-stage larvae) Cyathostomum spp, Cyticocyclus spp, Cyticostephanus spp, Cylicodontophorus spp

Pinworms (adults and fourth-stage larvae)

Ascarids (adults and third- and fourth-stage larvee) Parascans equorum

Hairworms (adults) Trichostrongylus axer Large-mouth Stomach Worms (adults) Habronema musicae

Bots (oral and gastric stages) Gastrophilus spp Lungworms (adults and fourth-stage larvae)

Intestinal Threadworms (adults) Strongyloides

Summer Scree caused by Habronema and Draschia spp cutaneous third-stage larvee. Dermetitis caused by neck threadworm microfilariae Onchocerce so.

Dosage: Privermectin" Equine Oral Liquid for Horses is formulated for administration by oral receives is commended to accrimissration by oral drench. The recommended dose is 200 mag of nermectin per kilogram (91 mog/lb) of bodyweight. Each ml. contains sufficient ivermectin to treat 110. Ib (50 kg) of body weight 10 mL will treat an 1100 lb (500 kg) horse

Administration: Use a calibrated dosing syringe inserted into the bottle to measure the appropriate dose, or pour the Privermedin Equine Oral Liquid ottoe, or pour in Frivermettin Equine Orga Equino into a graduated cylinder for dose measurement. Use a clean syringe if accessing the bottle to evoid contaminating the remaining product.

11

Administration by drench: For administration by oral drench, use of an undibited dose is trat dramant, team of art unionative close is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate does in the back of the mouth in order to avoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the occur if the dose is deposited in the buccal space Keep the horse's head elevated and observe the horse to insure the dose is retained

ested Parselle Control Program: All horses should be included in a regular parasite control program with perfucier attention being paid to maree, foels and yearlings. Foels should be treated intelly at 6 to 8 weeks of age, and routine treatment repeated as appropriate Consult your veterinanen for a control program to meet your specific needs Privermectin Equine Oral Liquid effectively controls gastrointestinal nematodes and bots in horaes. Regular treatment will reduce the chances of verminous arteritis and colic caused by S vulgaris. With its broad spectrum, Privermectin' Equine Oral Liquid is well suited to be the major product in a parasite control program.

Mode of Action: Ivermectin, one of the avermectins, kills certain parasitic roundworms and ectoparasites such as mites and lice The avermectins are different in their action from other antiparasitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chemical, a neurotrensmitter, is called gemmeaminobutyric acid or GABA In roundworms, ivermedtin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus interrupting nerve impulses — thereby peralyzing and killing the parasite

The enhancement of the GABA effect in arthropode such as mites and lice resembles that in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell Again, this leads to paralysis and

The principle peripheral neurotransmitter in memmals, acetylcholine, is unaffected by ivermectin ivermectin does not readily penetrate the central nervous system of mammals where GABA functions as a neurotransm

Safety: Privermectin's Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated

without adversely affecting their fertility These horses have been treated with no adverse effects other than those noted under Note to Liner.

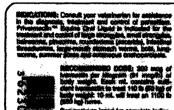
Precautions
• Caution Privermectin" Equine Oral Liquid has been formulated specifically for use in horses only. This product should not be used in other animal species as severe adverse rea including fatalities in dogs, may result

Refrain from smoking and eating when handling Wash hands after use Avoid contact with eyes Keep this and aft drugs out of the reach of children.

Store in a tightly closed container at room

temperature (between 15' - 30'C 59' - 86'F) Protect Privermectin™ Equine Oral Liquid

from light from light. For customer service, contact First Priority, Inc. 1586 Todd Farm Drive Eigin, IL 60123-1146 1-800-650-4899



NO VARNISH



(Ivermeotiri) Liquid for Horses - 10 mg per mt. For Veterinary Use Only

Per Ambred Use Strift - Noisy Stat of Resids of Children Not Contents: 500 mg. www.mas. ANACA 800-001, Appropriat by FOA: www.mas.

WAINING: Do not use in homes intended for food purposes.

CANTEGER Prinsmanch: "Suchs Chal Liquid has man from dead specifically for use in human delig. File product about his to used in office artists making as access advanta has also in locality.

Copy this and all drags put of the reach of abil-

Environmental Safety. Studies indicate that when ivermectin comes in contact with the soil. it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain waterborne organisms on which they feed Do not contaminate lakes, streams, or ground water by direct application or by improper disposal of drug containers. Dispose of drug container in an approved landfill or by incineration

Note to User: Swelling and itching reactions after treatment with Privermectin "Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilariae, Onchocerca sp. These reactions were most likely the result of microfilenee dying in large numbers. Symptomatic treatment may be advisable. Consult your veterinarian should any such reactions occur

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin "Equine Oral

Liquid Reintection, and measures for its prevention, should also be considered Consult your veterinarian if the condition does not

Package Information: Privermectin¹¹ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32 46 fl oz) plastic bottles Each bottle contains sufficient ivermeetin to treat 500 kg (1100 lb) horses as follows

100 mL	. 10-500 kg (1100 lb) horses		
200 mL	20-500 kg (1100 lb) horses		
500 mL	. 50-500 kg (1100 lb) horses		
960 mL	96-500 kg (1100 lb) horses		

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose

10



FIRST PRIORITY, INC., Elgin, IL 60123-1146, U.S.A.

WWW. Co not use in horses baunded for book gurposes.

ICM: Privacements^{to} Signino Conf. Lipid has privadetad aparillosily for uso is transas anty. poduci should not los usod in calve articul a aja neisan advicem manifera, jenjuding

ings this aid all always out of the speak of

FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid

(ivermectin) Liquid for Horses — 10 mg per mL

	Page
Introduction	
Description	2
Indications	3,4
Dosage	4
Administration	4. 5. 6
Suggested Parasite Control Program	6
Mode of Action	6, 7
Safety	7, 8
Precautions	8
Environmental Salety	9
Note to User	9, 10
Package Information	10

introduction Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench One low-volume dose is effective

against important internal parasites, including the arterial stages of Strongylus vulgaris, and bots arrena sages or 3 rangins origins, and pos-hermach is a potent antipenastic agent whose chemical structure is different from those of other antiperastic agents its convenience, broad-spectrum efficacy and safety margin makes Privermectin¹⁴ Equino Oral Liquid an idiael penastic control product for horses

Privermecton™ is a registered trademark of First Priority, Inc., Eigin, IL 60123-1146

Product Description: Ivermedin is derived from the avermedins, a family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation of Streptomyces evermetits
Privermectin' Equine Oral Liquid is a clear, readyto-use solution with each mL containing 1%

wermectin (10 mg), 0 2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monotbass: monohydrate, 1 mg sodium phosphate dibassc arthydrous, 1 mg butyleted hydroxyloluana, 0 1 mg decodium edatate, 3% benzyl alcohol and purified water q s. ad 100%

Product Indications: PrivermedinTM Equine Oral Liquid is indicated for the effective treatment and control of the following parasities or parasitic conditions in horses

Large Strongyles: Strongylus vuigans (adults and arterial larval stages), S. edentatus (adults and tissue stages), S. equinus (adults), Thodontophorus spp (adults)

Small Strongyles - including those resistant to some benzimidazole class compounds (adults and lourth-stage larvae) Cvathostomum spp. Cylicodiontonhorus son

Pinworms (adults and fourth-stage larvae)

Ascaride (adults and third- and fourth-stage larvee) Parascans equorum

Hairworms (adults) Trichostrongylus axer Large-mouth Stomach Worms (adults) Habronema muscae

Bota (oral and gastno stages) Gastrophilus soo Lungworms (adults and fourth-stage larvae) Intestinal Threadworms (adults) Strongyloides

Summer Scree caused by Habronems and Draschia spp cutaneous third-stage larvee.

Dermetitie caused by neck threadworm microfilariae, Onchocerca sp. Dosage: Privermectin" Equine Oral Liquid for Dosage: Privernectin Equine Oral upon for Horses is formulated for administration by oral drench. The recommended dose is 200 mag of vermectin per kilogram (91 mog/fb) of bodyweight Each mt. contains sufficient vermectin to treat 110.

lb (50 kg) of body weight 10 mL will treat an 1100 lb (500 kg) horse

Administration: Use a calibrated dosing synnge inserted into the bottle to measure the appropriate dose, or pour the Privermectin" Equine Oral Liquid into a graduated cylinder for dose measurement Use a clean syringe if accessing the bottle to avoid contaminating the remaining product

11

Administration by drench: For administration by oral drench, use of an undiluted dose is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back a symige, deposit the appropriate dose in the back of the mouth in order to evoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure (squirting), do not use a large (diffueld) dose volume, and do not deposit the dose in the laryngeal area, increased dose rejection may occur if the dose is deposited in the buccal space Keep the horse's head elevated and observe the horse to insure the dose is retained

Suggested Parasite Control Program: All horses should be included in a regular parasite control program with particular attention being paid to mares, foels and yearlings. Foels should be treated initially at 6 to 8 weeks of age, and routine reatment repeated as appropriate Consult your veterinanen for a control program to meet your specific needs, Privermectin" Equine Oral Liquid effectively controls gashronitestinal nematodes and bots in horses. Regular treatment will reduce the chances of verminous artests and colin reused by S vulgaris. With its broad spectrum, Privermects
Equine Oral Liquid is well suited to be the major product in a parasite control program

Mode of Action: ivermectin, one of the avermectins, kills certain parasitic roundworms and ectoparasites such as mites and lice The avermedtins are different in their action from other antiparasitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle

This chemical is neurotransmitter, is called gammaaminobutync acid or GABA In roundworms, ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junction thus interrupting nerve impulses – thereby paralyzing and killing the parasite

The enhancement of the GABA effect in arthropods such as mites and lice resembles that an noundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell Again, this leads to paralysis and

The principle peripheral neurotransmitter in mammals, acetylcholine, is unaffected by ivermectin livermectin does not reactiv penetrate the central nervous system of mammals where GABA functions as a neurotransmitter

Safety, Privermectin¹⁴ Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated

without adversely affecting their fertility Those horses have been treated with no adverse effects other than those noted under **Note to User**.

Precautions
• Caution Privermectin* Equine Oral Liquid has been formulated specifically for use in horses only This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result.

Refrain from smoking and eating when handling Wash hands after use Avoid contact with eyes. Keep this and all drugs out of the reach of children.

Store in a sightly closed container at room temperature (between 15"- 30"C, 59"- 86"F)

Protect Privermectin** Equine Oral Liquid

For customer service, contact First Priority, Inc. 1585 Todd Ferm Drive Elgin, IL 80123-1146 1-800-650-4899

HDC# 50029-294-80

Priority Care

(ivermeetin) Liquid for Horees - 10 mg par mL For Veterinary Use Only

NO VARNISH

For Ashmol Size Guly + Roop Stat of Reach of Children Not Contents: 500 mil. (18.9 fl. oz.) MINISTER AMADA 500-121, Approved by PDA MINISTER

MDC# 80029-294-30

Priority Care

التبلية التالية والمراجع

-- O ---

Equito Graf Lyuk

(ivermedin) Liquid for Horess — 10 mg per mL For Veterinary Use Only

NO VARNISH

7600

For Anhand Une Only - Name Out of Danach of Children
Alast Combines: 500 rink. (16.9 K. oz.)
ANASA 200-201. Approved by FDA

HOC/ 10029-294-08

Priority Care



(ivermedin) Liquid for Horses – 10 mg per mL For Veterinary Use Only

NO VARNISH



INDICATIONS: Consult your vo

For Johnst Use Only " House that of through of Children Next Contente: 500 cml. (10.0 fl. oz.) THE MANNER AND ST. Approved by FDA

NDC# 58829-294-98

Priority Care



Priverine stip" Equine Stat Liquis

(ivermectin)
Liquid for Horses – 10 mg per mt.
For Veterinary Use Only

CALITICAL Privaments ** Equine Oral Liquid has been formulated specifically for use in houses only. The product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result. Refrain from amolding and eating when hendling. Wash hands after use. Avoid contact with eyes.

Keep this and all drugs out of the mesh of children.

STORAGE: Store in a tightly closed container between 15°-30°C (59°-08°F). Protect Privamentin' Equine One Liquid from light.

PRECAUTORS:

las. 12-02

INDICATIONS: Consult your veterinaries for sesistance in the

versimation for electrics in the diagnosis, insetment and control of parasition. Privermectin Bogune Oral Liquid is indicated for the sestiment and control of terps storigate, american storigate, matricoms, parasonnis, roundworms (secards), the situal translations, tage mouth storiech worms, toots, ungeverne, aummer agree and otherwors conditions to the second conditio

meconsistableD DOBE: 200 mg of historectin per kingram (91 mog/b) of body weight. Each mi. dontains sufficient harmacht to heat 110 b (50 kg) of body weight: 10 mi. will west an 1100 b (500 kg) horse.

See package insert for complete indications and use directions.



Lat No.

Exp. Date

NO VARNISH

٠.,

For Animal Use Only • Keep Out of Reach of Children
Not Comparite: 980 mt. (32.46 fl. 02.)

Recider No. CM053PC

III ANADA 200-321, Approved by FDA III

NDC# 50029-294-96

Priority Care

INDICATIONS: Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism. Privermectin in Equine Oral Liquid is indicated for the freatment and control of large strongyles, ameli strongyles, harrivorms, pinworms, roundworms (ascardes), investigatives discounts, terge-mouth atomach worms, bots, lungworms, suntrarer some and cutaneous onotrocentissis.

meccennessings pages: 200 map of ivermeatin per kilogram (91 mag/lb) of body weight. Each mt. contains sufficient ivermeatin to treat 110 b (50 kg) of body weight: 10 mt. will treat an 1100 b (500 kg) horse.

See package insert for complete indications and use directions.

PRECAUTIONS

Waterwate Do not use in hon



Equito Oral Liquio

(ivermectin)
Liquid for Horses – 10 mg per mt.
For Veterinary Use Only

CAUTICIT: Privamactin!" Equine Oral Liquid has been formulated apacifically for use in horses only. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result. Retrain from smoking and eating when harding. Week hards after use. Avoid contact with eyes.

Keep this and all drugs out of the reach of shildren.

STORAGE: Store in a tightly closed container between 15°-30°C (89°-86°F). Protect Privarractin¹¹ Equine Oral Liquid from light.

LOT NO. Exp. D

NO VARNISH

Reporder No. CMOSSPC

For Animal Line Only & Keep Out of Reach of Children Net Contents: 960 ml. (32,46 fl. oz.)

Inc. 12-03

III ANADA 200-921, Approved by FDA IIII

NDC# 88829-294-96

Priority Care

(ivermectin) Liquid for Horses - 10 mg per mL For Veterinary Use Only

CALITICAL Privarmectin¹⁶ Equine Cital Liquid tree been formulated epoclificatly for use in horses only. This product should not be used in other animal species as envers adverse reactions, including latesties in dogs, may result. Refrain from smoking-and-animates. and eating when handling. Wash hands after use. Avoid contact with eyes.

Keep this and all drugs out of the reach of children.

STORAGE: Store in a tightly closed container between 15°-30°C (50°-86°F). Protect Prisomeotin & Equine Oral Liquid from light.

NO VARNISH

RECOMMENDED DOSE: 200 map of Ivermedin per kilogram (97 map/lb) of body weight. Each mL contains sufficient ivermedtin to treat 110 to (50 kg) of body weight: 10 mL will treat an 1100 ib (500 kg) horse.

INDICATIONS: Consult your

voterinaries for assistance in the diagnosis, treatment and control of parasitism. Privermedin "Equine Onal Liquid is indicated for the treatment and control of large strongyles, small strongyles,

hairworms, pinworms, round-worms (escarids), intestinal

threadworms, large-mouth stom-ach worms, bots, lungworms,

summer scree and cultaneous onchocerclesis.

See package insert for complete indications and use directions.

PRECAUTIONS



For Animal Use Only - Keep Out of Newsk of Children

Recorder No. OMDSSPC

Lat No.

Net Contents: 960 mL (32.46 fl. oz.)

ANADA 200-SR1, Approved by FDA II

ANADA 200-321, approved by FDA FOR VETERINARY USE ONLY

Privermectin[™] Equine Oral Liquid

(ivermectin) Liquid for Horses - 10 mg per mL

Introduction
Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench. One low-volume dose is effective against important internal parasites, including the arteria stages of Strongylus vulgaris, and

Ivermectin is a potent antipara-sitic agent whose chemical structure is different from those of other antiparasitic agents. Its convenience hmad-spectrum officacy and safety margin make Privermectin™ Equine Oral Liquid an ideal parasite control product for horses

Privermectin™ is a registered trademark of First Priority, Inc., Elgin, IL 60123-1146

Product Description: Ivermectin is derived from the avermectins. family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation Streptomyces avermitilis Privermectin™ Equine Oral Liquid is a clear, ready-to-use solution with each mL containing 1% iver-mectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1.3 mg sodium phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene, 0.1 mg disodium edetate, 3% benzyl alcohol and purified water q.s. ad

Product Indications: Privermedin™ Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or parasitic conditions in horses

Large Strongyles: Strongylus vulgaris (adults and arterial larval stages). S. edentatus (adults and tissue stages), S equinus (adults), Triodontophorus spp (adults)

Small Strongyles - including those resistant to some benzimidazole class compounds (adults and fourth-stage (arvae):

- Cylicocyclus spp
- Cylicodontophorus spp.

Pinworms (adults and fourthstage larvae): Oxyuris equi

Ascarids (adults and third-and fourth-stage larvae): Parascaris ваиопит

Hairworms (adults): Trichostrongylus

Large-mouth Stomach Worms (adults): Habronema muscae

Bots (oral and gastric stages): Gastrophilus spp

Lungworms (adults and fourthstage larvae): Dictvocaulus am-

intestinal Threadworms (adults): Strongyloides western

Summer Scres caused by Habronema and Draschia spp cutaneous third-stage larvae.

Dermatitis caused by neck threadworm microfilanae, Onchocerca sp.

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mcg of ivermectin per kilostage larvae):

Intestinal Threadworms (adults) Strongyloides westen

Summer Sores caused by Habronema and Draschia spi cutaneous third-stage larvae.

Dermatitis caused by neck thread worm microfilariae, Onchocerca sp

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mcg of ivermectin per kilo gram (91 mcg/lb) of body weight Each mL contains sufficient iver mectin to treat 110 lb (50 kg) of body weight: 10 mL will treat an 1100 lb (500 kg) horse.

Administration: Use a calibrated dosing syringe inserted into the bottle to measure the announced dose, or pour the Privermectin™ Equine Oral Liquid into a graduated cylinder for dose measure-ment. Use a clean syringe if sing the bottle to avoid cont aminating the remaining product.

Administration by drench: For administration by oral drench, use of an undiluted dose is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a synnge, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for mate nal to enter the trachea and lungs, do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the dose is deposited in the buccal space. Keep the horse's head elevated and observe the horse to insure the dose is retained.

Suggested Parasite Control Program: All horses should be included in a regular parasite controi program with particular attention being paid to mares, foals and yearlings. Foals should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate. Consult your veterinarian for a control program to meet your specific needs Privermectin™ Equine Oral Liquid effectively controls gastrointestina nematodes and bots in horses Regular treatment will reduce chances of verminous artentis and colic caused by S. vulgaris With its broad spectrum, Privermectin™ Equine Oral Liquid is well suited to the major product in a paracontrol program.

Mode of Action: Ivermectin, one of the avermectins, kills certain parasitic roundworms and ectoparasites such as mites and lice The avermectins are different in their action from other antipara sitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle cell This chemical, a neurotransmitter is called gammaaminobutyric acid or GABA

In roundworms, ivermectin stimu iates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus inter-rupting nerve impulses - thereby paralyzing and killing the parasite.

The enhancement of the GABA effect in arthropods such as mites and lice resembles that in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell. Again, this leads to paralysis and

The principle peripheral neuroransmitter in mammals, acetylcholine, is unaffected by ivermectin. Ivermectin does not readily penetrate the central nervous system of mammals where GABA functions as a neurofransmitter.

Safety: Privermectin™ Equine Oral Liquid may be used in horses of all ages including mares at any stage pregnancy. Stallions may be sated without adversely affecting their fertility. These horses have been treated with no adverse effects other than those noted under Note to User.

Precautions

Caution: Privermectin™ Fourine Oral Liquid has been formulated specifically for use in horses only. This product should not be used in other animal species as severe adverse reactions, inclu-ding fatalities in dogs, may result.

Refrain from smoking and eating when handling. Wash hands after use. Avoid contact with eye Keep this and all drugs out of

the reach of children.
Store in a tightly closed container at room temperature (between 15°-30°C, 59°-86°F).

Protect Privermectin™ Equine Oral Liquid from light.

For customer service, contact First Priority, Inc. 1585 Todd Farm Drive Elgin, IL 60123-1146 1-800-650-4899

Environmental Safety: Studies indicate that when ivermecting comes in contact with the soil if readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed. Do not contaminate lakes, streams, or ground water by direct application or by imprope disposal of drug containers. Dispose of drug container in an approved landfill or by incinera-

Note to User:

Swelling and itching reactions after treatment with Privermectin™ Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilanae, Onchocerca sp. These reactions were most likely the result of microfilariae dying in large numbers. Symptomatic treatment may be advisable. Consult your veter nanan should any such reactions

Healing of summer sores involving extensive tissue changes may require other therapy in conjunc-tion with Privermectin™ Equine Oral Liquid. Reinfection, and measures for its prevention, should also be considered. Consult your veterinanan if the condition does not improve

Package Information:

Privermectin™ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32.46 fl. oz.) plastic bottles. Each bottle con tains sufficient ivermectin to treat 500 kg (1100 lb) horses as fol-

100 mL10-500 kg (1100 lb) horses 200 mL . . . 20-500 kg (1100 lb) horses 500 mL 50-500 kg (1100 lb) horses 960 mL 96-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder for dose mea-surement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose

500 mL an plastic bott mL (32.46 fl. oz.) Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as fol-

100 mL10-500 kg (1100 lb) horses 200 mL20-500 kg (1100 lb) horses 500 mL50-500 kg (1100 lb) horses 960 mL96-500 kg (1100 lb) horses

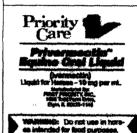
Contents may be poured into a graduated cylinder for dose mea-surement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the

TAKE TIME OBSERVE LABEL DIRECTIONS

Priority Care

...would you settle for less?

First Priority, Inc., 1585 Todd Farm Drive Elgin, IL 60123-1146, U.S.A.



PULL SLOWLY TO OPEN



www.dungs De not use in hors-se intended for food purposes.

ANADA 200-321, approved by FDA FOR VETERINARY USE ONLY

Privermectin' Equine Oral Liquid

(ivermectin)

Introduction
Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench. One low-volume dose is effective against important internal parasites, including the arterial stages of Strongylus vulgaris, and

Ivermectin is a potent antipara-sitic agent whose chemical structure is different from those of other antiparasitic agents. Its convenience, broad-spectrum efficacy and safety margin make Privermectin™ Equine Oral Liquid an ideal parasite control product

Privermectin™ is a registered trademark of First Priority, Inc., Elgin, It 60123-1146

Product Description: Ivermectin is derived from the avermectins, a family of potent, broad-spec-trum antiparasitic agents, which are isolated from fermentation of Streptomyces avermitilis.
Privermectin™ Equine Oral Liquid is a clear, ready-to-use solution with each mL containing 1% ivermectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1.3 mg sodium phosphate dibasic anhydrous, 1 mg butylated hydroxytoluene, 0.1 mg disodium edetate, 3% benzyl phol and purified water q.s. ad

Product Indications: PrivermectinTh Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or para sitic conditions in horses.

Large Strongyles: Strongylus vulgans (adults and arterial larval stages), S. edentatus (adults and tissue stages), S equinus (adults), Triodontophorus spp (adults)

Small Strongyles - including those resistant to some benzimidazole class compounds (adults and

fourth-stage larvae): Cyathostomum spp Cylicocyclus spp Cylicostephanus spp Cylicodontophorus spp.

Pinworms (adults and fourthstage larvae): Oxyuris equi

Ascarids (adults and third-and fourth-stage larvae): Parascaris equorum

Hairworms (adults): Thehostrongylus

Large-mouth Stomach Worms (adults): Habronema muscae

Bots (oral and gastric stages) Gastrophilus spp

Lungworms (adults and fourthlarvae): Dictyocaulus arn-

Intestinal Threadworms (adults) Strongvloides western

Summer Sores caused by Habronema and Draschia spr cutaneous third-stage larvae.

Dermatitis caused by neck threadworm microfilariae, *Onchocerca* sp.

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mcg of ivermectin per kilostage larvae):

Intestinal Threadworms (adults) Strongyloides westeri

Summer Sores caused by Habronema and Draschia spr cutaneous third-stage larvae.

Dermatitis caused by neck threadworm microfilanae, Onchocerca sp

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mcg of ivermectin per kilogram (91 mcg/lb) of body weight. Each mL contains sufficient iver-mectin to treat 110 lb (50 kg) of 10 mL will treat an 1100 lb (500 kg) horse.

Administration: Use a calibrated dosing syringe inserted into the bottle to measure the appropriate dose, or pour the Privermectin^{TI} Equine Oral Liquid into a graduated cylinder for dose measure-ment. Use a clean syringe if accessing the bottle to avoid contaminating the remaining product.

Administration by drench: For administration by oral drench, use of an undiluted dose is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a syringe, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for mate rial to enter the trachea and lungs. do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the dose is deposited in the buccal space. Keep the horse's head elevated and observe the horse to insure the dose is retained.

Suggested Parasite Control Program: All horses should be included in a regular parasite con-trol program with particular attention being paid to mares, foats and yearlings. Foals should be treated initially at 6 to 8 weeks of age and routine treatment repeated as appropriate. Consult your erinarian for a control program to meet your specific needs. Privermectin™ Equine Oral Liquid effectively controls gastrointestinal nematodes and bots in horses. Regular treatment will reduce the chances of verminous artentis and colic caused by S. vulgaris. With its broad spectrum. Privermectin¹⁹ Equine Oral Liquid is well suited to be the major product in a parasite control program.

Mode of Action: Ivermectin, one of the avermectins, kills certain narastic roundworms and ectopara sites such as mites and lice. The avermectins are different in their action from other antiparasitic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle cell This chemical, a neurotransmitter, is called gammaaminobutyric acid

In roundworms, ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus inter-rupting nerve impulses - thereby paralyzing and killing the parasite

The enhancement of the GABA effect in arthropods such as mites and lice resembles that in roundworms except that nerve impulses are interrupted between the nerve ending and the muscle cell

Again, this leads to paralysis and

The principle peripheral neuro-transmitter in mammals, acetyl-choline, is unaffected by ivermectin. Ivermectin does not read-ily penetrate the central nervous vstem of mammals where GABA functions as a neurotransmitter.

Safety: Privermectin™ Equine Ora Liquid may be used in horses of all ages including mares at any stage pregnancy. Stallions may be sated without adversely affecting their fertility. These horses have been treated with no adverse effects other than those noted under Note to User.

Precautions

- Caution: Privermectin™ Equine Oral Liquid has been formulated specifically for use in horses only. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result. Refrain from smoking and eating
- when handling. Wash hands after use. Avoid contact with eyes. Keep this and all drugs out of the reach of children. Store in a tightly closed container
- at room temperature (between 15°-30°C, 59°-86°F).
 Protect Privermectin™ Equine
- Oral Liquid from light.

or customer service, contact First Priority, Inc. 1585 Todd Farm Drive Elgin, IL 80123-1146

Environmental Safety: Studies indicate that when ivermecting comes in contact with the soil, it comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed. Do not contaminate , streams, or ground water by direct application or by improper disposal of drug containers.

Dispose of drug container in an approved landfill or by incinera-

Note to User:

Swelling and itching reactions after treatment with Privermectin™ Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilanae, Onchocerca sp. These reac tions were most likely the result of microfilariae dying in large num-bers. Symptomatic treatment may be advisable. Consult your veteri-narian should any such reactions OCCUE.

Healing of summer sores involving realing of summer sores involving extensive tissue changes may require other therapy in conjunc-tion with PrivermectinTM Equine Oral Liquid. Reinfection, and measures for its prevention, should also be considered. Consult your veterinarian if the condition does

Package Information: Privermectin™ Equine Oral Liquid

is available in 100 mL, 200 mL, 500 mL and 960 mL (32,46 ft. oz.) plastic bottles. Each bottle con-tains sufficient ivermedin to treat 500 kg (1100 lb) horses as follows:

100 mL10-500 kg (1100 lb) horses 200 mL20-500 kg (1100 lb) horses 500 mL50-500 kg (1100 lb) horses 960 mL98-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose

500 mL an mL (32.46 fl. oz.) plastic both Each bottle contains sufficient ivermectin to treat mL (32.46 fl. oz.) 500 kg (1100 lb) horses as fol-

100 mL10-500 kg (1100 lb) horses 200 mL20-500 kg (1100 b) horses 500 mL50-500 kg (1100 b) horses 960 mL96-500 kg (1100 b) horses

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose.





...would you settle for less?

First Priority, Inc., 1585 Todd Farm Drive, Elgin, IL 60123-1146, U.S.A.



handleg. Which handle, after use. contains with eyes. Keep this, said all drugs seat executs of shiftens. Store in a fightly closed container a temperature. (between 15"-39" 50"?). Prolings. Privannection COT?). Prolings. Privannection COT?). Prolings. Privannection COT.

PULL SLOWLY TO OPEN



WARRING: Do not use in hore-es intended for food purposes.

uid ton been terminated apost use in horizon only. This pro-self not be used in other a root to wind in other universe continue aniverse continue aniverse continue aniverse consistency for the aniverse continue, and aniverse continue, and aniverse continue aniverse anive ANADA 200-321, approved by FDA

FOR VETERINARY USE ONLY

Privermectin™ Equine Oral Liquid

(ivermectin) Liquid for Horses - 10 mg per mL

Introduction

Privermectin™ Equine Oral Liquid (ivermectin) for Horses has been formulated for administration by oral drench. One low-volume close is effective against important internal parasites, including the arterial stages of Strongylus vulgaris, and bots.

ivermectin is a potent antiparasitic agent whose chemical structure is different from those of other antiparasitic agents. Its convenience, broad-spectrum efficacy and safety margin make Privermectin™ Equine Oral Liquid an ideal parasite control product for horses.

Privermectin™ is a registered trademark of First Priority, Inc., Elgin, IL 60123-1146

Product Description: Ivermectin is derived from the avermectins, a family of potent, broad-spectrum antiparasitic agents, which are isolated from fermentation of Streptomyces avermitilis. Privermectin™ Equine Oral Liquid is a clear, ready-to-use solution with each mL containing 1% ivermectin (10 mg), 0.2 mL propylene glycol, 80 mg polysorbate 80, 9 mg sodium phosphate monobasic monohydrate, 1.3 mg sodium phosphate dibasic anhydrous, 1 mg bufylated hydroxytoluene, 0.1 mg disodium edetate, 3% benzyl alcohol and purified water q.s. ad 100%.

Product indications: Privermectin™ Equine Oral Liquid is indicated for the effective treatment and control of the following parasites or parasitic conditions in horses.

Large Strongyles: Strongylus vulgaris (adults and arterial larval stages), S. edentatus (adults and tissue stages), S equirus (adults), Triodontophorus app (adults)

Small Strongyles - including those resistant to some benzimidazole class compounds (adults and fourth-stage larvae):

Cyathostomum spp

Cylicocyclus spp Cylicostephanus spp Cylicodontophorus spp.

Pinworms (adults and fourthstage larvae): Oxyuris equi

Ascarids (adults and third-and fourth-stage larvae): *Parascaris* equorum

Hairworms (adults): Trichostrongylus

Large-mouth Stomach Worms (adults): Habronema muscae

Bots (oral and gastric stages): Gastrophilus spp

Lungworms (adults and fourthstage larvae): Dictyocaulus amfieldi

Intestinal Threadworms (adults): Strongyloides westeri

Summer Sores caused by *Habronema* and *Draschia* spp cutaneous third-stage larvae.

Dermatitis caused by neck threadworm microfilariae, Onchocerca sp.

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mog of ivermectin per kilo-

stage larvae): ocaulus arn-

Intestinal Threadworms (adults): Strongyloides westeri

Summer Sores caused by Habronema and Draschia spp cutaneous third-stage larvae.

Dermatitis caused by neck threadworm microfilanae, *Onchocerca* sp.

Dosage: Privermectin™ Equine Oral Liquid for Horses is formulated for administration by oral drench. The recommended dose is 200 mcg of ivermectin per kilogram (91 mcg/lb) of body weight. Each mL contains sufficient ivermectin to treat 110 lb (50 kg) of body weight: 10 mL will treat an 1100 lb (500 kg) horse.

Administration: Use a calibrated dosing syringe inserted into the bottle to measure the appropriate dose, or pour the Privermectin™ Equine Oral Liquid into a graduated cylinder for dose measurement. Use a clean syringe if accessing the bottle to avoid contaminating the remaining product.

Administration by drench: For administration by oral drench, use of an undituded dose is recommended. Clear the horse's mouth of any food material, elevate the horse's head, and using a synnge, deposit the appropriate dose in the back of the mouth. In order to avoid unnecessary coughing or the potential for material to enter the trachea and lungs, do not use excessive pressure (squirting), do not use a large (diluted) dose volume, and do not deposit the dose in the laryngeal area. Increased dose rejection may occur if the dose is deposited in the buccal space. Keep the horse's head elevated and observe the horse to insure the dose is retained.

Suggested Parasite Control Program: All horses should be included in a regular parasite con troi program with particular attention being paid to mares, foals and yearlings. Foals should be treated initially at 6 to 8 weeks of age and routine treatment repeated appropriate. Consult your erinarian for a control program to meet your specific needs Privermectin™ Equine Oral Liquid effectively controls gastrointestinal nematodes and bots in horses. Regular treatment will reduce chances of verminous artentis and colic caused by S. vulgaris With its broad spectrum, Privermectin™ Equine Oral Liquid is well suited to be the major product in a parasite control program.

Mode of Action: Ivermectin, one of the avermectins, kills certain parastic roundworms and ectoparastes such as mites and lice. The avermectins are different in their action from other antiparastic agents. This action involves a chemical that serves as a signal from one nerve cell to another, or from a nerve cell to a muscle cell. This chemical, a neurotransmitter, is called gammaaminobutyric acid or GABA.

In roundworms, ivermectin stimulates the release of GABA from nerve endings and enhances binding of GABA to special receptors at nerve junctions, thus interrupting nerve impulses - thereby paralyzing and killing the parasite.

The enhancement of the GABA effect in arthropods such as mites and lice resembles that in round-worms except that nerve impulses are interrupted between the nerve ending and the muscle cell.

Again, this leads to paralysis and death.

The principle peripheral neurotransmitter in mammals, acetylcholine, is unaffected by iremectin. Ivermectin does not readily penetrate the central nervous system of mammals where GABA functions as a neurotransmitter.

Safety: Privermectin™ Equine Oral Liquid may be used in horses of all ages including mares at any stage of pregnancy. Stallions may be treated without adversely affecting their fertility. These horses have been treated with no adverse effects other than those noted under Note to User.

Precautions

- Caution: Privermectin™ Equine Oral Liquid has been formulated specifically for use in horses only. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result. Refrain from smoking and eating
- when handling. Wash hands after use. Avoid contact with eyes, Keep this and all drugs out of the reach of children.

 Store in a tightly closed container
- at room temperature (between 15°-30°C, 59°-86°F).

 Protect Privermectin™ Equine

Oral Liquid from light.
For customer service, contact

First Priority, Inc. 1585 Todd Farm Drive Elgin, IL 60123-1146 1-800-650-4899

Environmental Safety: Studies indicate that when invermectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive over time. Free ivermectin may adversely affect fish and certain water-borne organisms on which they feed. Do not contaminate lakes, streams, or ground water by direct application or by improper disposal of drug containers. Dispose of drug containers in an approved landfill or by incineration

Note to User:

Swelling and itching reactions after treatment with Privermech in Equine Oral Liquid have occurred in horses carrying heavy infections of neck threadworm microfilariae, Orabocerce sp. These reactions were most likely the result of microfilariae dying in large numbers. Symptomatic treatment may be advisable. Consult your veternaman should any such reactions occur.

Healing of summer sores involving extensive tissue changes may require other therapy in conjunction with Privermectin™ Equine Oral Liquid. Reinfection, and measures for its prevention, should also be considered. Consult your veterinarian if the condition does not improve.

Package Information:

Privermectin™ Equine Oral Liquid is available in 100 mL, 200 mL, 500 mL and 960 mL (32.46 ft. oz.) plastic bottles. Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows:

100 mL10-500 kg (1100 lb) horses 200 mL 20-500 kg (1100 lb) horses 500 mL 50-500 kg (1100 lb) horses 960 mL 96-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean syringe may be inserted directly into the bottle to draw off the appropriate dose.

buu mL an mL (32.46 fl. oz.) plastic bottlee. Each bottle contains sufficient ivermectin to treat 500 kg (1100 lb) horses as follows:

100 mL10-500 kg (1100 lb) horses 200 mL20-500 kg (1100 lb) horses 500 mL50-500 kg (1100 lb) horses 960 mL96-500 kg (1100 lb) horses

Contents may be poured into a graduated cylinder for dose measurement. Alternatively, a clean synnge may be inserted directly into the bottle to draw off the appropriate dose.

TAKE TIME CIRCLE DIRECTIONS

ss 12-02

Priority Care

...would you settle for less?

First Priority, Inc., 1585 Todd Farm Drive, Elgin, IL 60123-1146, U.S.A.



Wordstimes: Do not use in haraea intended for facel purposes.

Condition: Privatementis,** Equina, Cry Liquid fast been throwing appelland for task in horses welly. This procus and to horse welly. This procus and to the same in horse metal and the same appellant in advance and many resultant processing facilities in department may result including facilities in department may result humiling. Wheth tands after use. Auch corriact with syste.

Keep talls and all drugs out of the reach of additions.

Store is a fightly closed container of reservance of additions.

Store is a fightly closed container of reservance of additions.

Store is a fightly closed container of reservance of additions.

Store is a fightly closed container of reservance of additions.

Store is a fightly closed container of reservance of additions.

PULL SLOWLY TO OPEN



wavelends. Do not use in horses intended for food purposes.

Gautileus: Primermucier** Equires Crat Liquide hine below internated appecificative for use in dynamic cody. This product should not the used in other animal execute as absents excellent animal execute as absents execute as absents execute animaling fluidilities an diago, they result relation from investing and eating when harding. Washin sevels other use. Avoid contains with specific after use. Avoid contains with specific animal execute of the reach of editions.

Store in a fightly classed contains at count temperature fluidinessen 157-50°C, 597-50°C). Product Preservacion** Equire