

HEARTGARD PLUS- ivermectin and pyrantel pamoate tablet, chewable
Boehringer Ingelheim Animal Health USA Inc.

Heartgard® Plus
(ivermectin/pyrantel)

Chewables

Approved by FDA under NADA # 140-971

Caution

Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

INDICATIONS

For use in dogs to prevent canine heartworm disease by eliminating the tissue stage of heartworm larvae (*Dirofilaria immitis*) for a month (30 days) after infection and for the treatment and control of ascarids (*Toxocara canis*, *Toxascaris leonina*) and hookworms (*Ancylostoma caninum*, *Uncinaria stenocephala*, *Ancylostoma braziliense*).

DOSAGE

HEARTGARD® Plus should be administered orally at monthly intervals at the recommended minimum dose level of 6 mcg of ivermectin per kilogram (2.72 mcg/lb) and 5 mg of pyrantel (as pamoate salt) per kg (2.27 mg/lb) of body weight. The recommended dosing schedule for prevention of canine heartworm disease and for the treatment and control of ascarids and hookworms is as follows:

Dog Weight	Chewables Per Month	Ivermectin Content	Pyrantel Content	Color Coding on Foil Backing and Carton
Up to 25 lbs	1	68 mcg	57 mg	Blue
26 to 50 lbs	1	136 mcg	114 mg	Green
51 to 100 lbs	1	272 mcg	227 mg	Brown

HEARTGARD Plus is recommended for dogs 6 weeks of age and older.
For dogs over 100 lbs use the appropriate combination of these chewables.

ADMINISTRATION

Remove only one chewable at a time from the foil-backed blister card. Return the card with the remaining chewables to its box to protect the product from light. Because most dogs find HEARTGARD Plus palatable, the product can be offered to the dog by hand. Alternatively, it may be added intact to a small amount of dog food. The chewable should be administered in a manner that encourages the dog to chew, rather than to swallow without chewing. Chewables may be broken into pieces and fed to dogs that normally

swallow treats whole.

Care should be taken that the dog consumes the complete dose, and treated animals should be observed for a few minutes after administration to ensure that part of the dose is not lost or rejected. If it is suspected that any of the dose has been lost, redosing is recommended.

HEARTGARD Plus should be given at monthly intervals during the period of the year when mosquitoes (vectors), potentially carrying infective heartworm larvae, are active. The initial dose must be given within a month (30 days) after the dog's first exposure to mosquitoes. The final dose must be given within a month (30 days) after the dog's last exposure to mosquitoes.

When replacing another heartworm preventive product in a heartworm disease preventive program, the first dose of HEARTGARD Plus must be given within a month (30 days) of the last dose of the former medication.

If the interval between doses exceeds a month (30 days), the efficacy of ivermectin can be reduced. Therefore, for optimal performance, the chewable must be given once a month on or about the same day of the month. If treatment is delayed, whether by a few days or many, immediate treatment with HEARTGARD Plus and resumption of the recommended dosing regimen minimizes the opportunity for the development of adult heartworms.

Monthly treatment with HEARTGARD Plus also provides effective treatment and control of ascarids (*T. canis*, *T. leonina*) and hookworms (*A. caninum*, *U. stenocephala*, *A. braziliense*). Clients should be advised of measures to be taken to prevent reinfection with intestinal parasites.

EFFICACY

HEARTGARD® Plus (ivermectin/pyrantel) Chewables, given orally using the recommended dose and regimen, are effective against the tissue larval stage of *D. immitis* for a month (30 days) after infection and, as a result, prevent the development of the adult stage. HEARTGARD Plus Chewables are also effective against canine ascarids (*T. canis*, *T. leonina*) and hookworms (*A. caninum*, *U. stenocephala*, *A. braziliense*).

ACCEPTABILITY

In acceptability and field trials, HEARTGARD Plus was shown to be an acceptable oral dosage form that was consumed at first offering by the majority of dogs.

PRECAUTIONS

All dogs should be tested for existing heartworm infection before starting treatment with HEARTGARD Plus which is not effective against adult *D. immitis*. Infected dogs must be treated to remove adult heartworms and microfilariae before initiating a program with HEARTGARD Plus.

While some microfilariae may be killed by the ivermectin in HEARTGARD Plus at the recommended dose level, HEARTGARD Plus is not effective for microfilariae clearance. A

mild hypersensitivity-type reaction, presumably due to dead or dying microfilariae and particularly involving a transient diarrhea, has been observed in clinical trials with ivermectin alone after treatment of some dogs that have circulating microfilariae.

Keep this and all drugs out of the reach of children. In case of ingestion by humans, clients should be advised to contact a physician immediately. Physicians may contact a Poison Control Center for advice concerning cases of ingestion by humans.

Store between 68° F - 77° F (20° - 25° C). Excursions between 59° F - 86° F (15° - 30° C) are permitted. Protect product from light.

ADVERSE REACTIONS

In clinical field trials with HEARTGARD Plus, vomiting or diarrhea within 24 hours of dosing was rarely observed (1.1% of administered doses). The following adverse reactions have been reported following the use of HEARTGARD: Depression/lethargy, vomiting, anorexia, diarrhea, mydriasis, ataxia, staggering, convulsions and hypersalivation.

To report suspected adverse drug events, for technical assistance, or to obtain a copy of the Safety Data Sheet (SDS), contact Boehringer Ingelheim Animal Health USA Inc. at 1-888-637-4251. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS, or www.fda.gov/reportanimalae.

SAFETY

HEARTGARD Plus has been shown to be bioequivalent to HEARTGARD, with respect to the bioavailability of ivermectin. The dose regimens of HEARTGARD Plus and HEARTGARD are the same with regard to ivermectin (6 mcg/kg). Studies with ivermectin indicate that certain dogs of the Collie breed are more sensitive to the effects of ivermectin administered at elevated dose levels (more than 16 times the target use level) than dogs of other breeds. At elevated doses, sensitive dogs showed adverse reactions which included mydriasis, depression, ataxia, tremors, drooling, paresis, recumbency, excitability, stupor, coma and death. HEARTGARD demonstrated no signs of toxicity at 10 times the recommended dose (60 mcg/kg) in sensitive Collies. Results of these trials and bioequivalency studies, support the safety of HEARTGARD products in dogs, including Collies, when used as recommended.

HEARTGARD Plus has shown a wide margin of safety at the recommended dose level in dogs, including pregnant or breeding bitches, stud dogs and puppies aged 6 or more weeks. In clinical trials, many commonly used flea collars, dips, shampoos, anthelmintics, antibiotics, vaccines and steroid preparations have been administered with HEARTGARD Plus in a heartworm disease preventive program.

In one trial, where some pups had parvovirus, there was a marginal reduction in efficacy against intestinal nematodes, possibly due to a change in intestinal transit time.

HOW SUPPLIED

HEARTGARD Plus is available in three dosage strengths (See DOSAGE section) for dogs of different weights. Each strength comes in convenient cartons of 1, 6 and 12

chewables.

Marketed by

Boehringer Ingelheim Animal Health USA Inc.
Duluth, GA 30096

Made in U.S.A.

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Rev. 05-2020
1050-1999-05

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PRINCIPAL DISPLAY PANEL - 12 Tablet Carton (For Dogs Up To 25 lbs)

***Heartgard®
Plus
(ivermectin/pyrantel)***

Administer once a month to prevent heartworm disease and to treat and control ascarid and hookworm infections in dogs.

***For
DOGS
UP TO 25 lbs***

12 Chewables

Each chewable contains 68 mcg ivermectin and 57 mg pyrantel as pamoate salt.

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

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Boehringer Ingelheim



PRINCIPAL DISPLAY PANEL - 12 Tablet Carton (For Dogs 26-50 lbs)

**Heartgard®
Plus
(ivermectin/pyrantel)**

Administer once a month to prevent heartworm disease and to treat and control ascarid and hookworm infections in dogs.

**For
DOGS
26-50 lbs**

12 Chewables

Each chewable contains 136 mcg ivermectin and 114 mg pyrantel as pamoate salt.

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

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Boehringer Ingelheim

Product 37812
91081-0004

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
26-50 lbs
12 Chewables

WUSAEP

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
26-50 lbs
12 Chewables

Administer once a month to prevent heartworm disease and to treat and control ascarid and hookworm infections in dogs.

For DOGS
26-50 lbs



12 Chewables

Each chewable contains 135 mcg ivermectin and 114 mg pyrantel as pamoate salt.

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

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.



Boehringer Ingelheim

Heartgard[®] Plus
(ivermectin/pyrantel)



1030260104

ENTER DATE ADMINISTERED:



Store between 68°F - 77°F (20° - 25°C). Excursions between 59°F - 86°F (15° - 30°C) are permitted. Protect product from light.

Approved by FDA
NADA 141-101

Manufactured by
Boehringer Ingelheim
Animal Health USA Inc.
Burlington, MA 01803
Made in USA

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Heartgard[®] Plus
(ivermectin/pyrantel)

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
26-50 lbs
12 Chewables

PRINCIPAL DISPLAY PANEL - 12 Tablet Carton (For Dogs 51-100 lbs)

**Heartgard®
Plus
(ivermectin/pyrantel)**

Administer once a month to prevent heartworm disease and to treat and control ascarid and hookworm infections in dogs.

**For
DOGS
51-100 lbs**

12 Chewables

Each chewable contains 272 mcg ivermectin and 227 mg pyrantel as pamoate salt.

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

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Boehringer Ingelheim

Product 37813
R 302-00304

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
51-100 lbs
12 Chewables

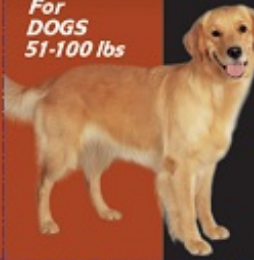
Look & Tip

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
51-100 lbs
12 Chewables

Administer once a month to prevent heartworm disease and to treat and control ascarid and hookworm infections in dogs.

For DOGS
51-100 lbs



12 Chewables

Each chewable contains 272 mcg ivermectin and 227 mg pyrantel as pamoate salt.

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

Caution: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

Boehringer Ingelheim

Heartgard[®] Plus
(ivermectin/pyrantel)



1030260204

ENTER DATE ADMINISTERED:



Store between 68°F - 77°F (20° - 25°C). Excursions between 59°F - 86°F (15° - 30°C) are permitted. Protect product from light.

Approved by FDA under NADA 140-871
Manufactured by
Boehringer Ingelheim
Animal Health USA, Inc.
Cynville, GA 30508
March 9, 2008

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Heartgard[®] Plus
(ivermectin/pyrantel)

Heartgard[®] Plus
(ivermectin/pyrantel)

For DOGS
51-100 lbs
12 Chewables

HEARTGARD PLUS

ivermectin and pyrantel pamoate tablet, chewable

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:0010-4012
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ivermectin (UNII: 8883YP2R6D) (ivermectin - UNII:8883YP2R6D)	ivermectin	68 ug
pyrantel pamoate (UNII: 81BK194Z5M) (pyrantel - UNII:4QIH0N49E7)	pyrantel	57 mg

Product Characteristics

Color	RED (red to red-brown)	Score	no score
Shape	RECTANGLE	Size	25mm
Flavor		Imprint Code	
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0010-4012-01	1 in 1 CARTON		
1		6 in 1 BLISTER PACK		
2	NDC:0010-4012-02	2 in 1 CARTON		
2		6 in 1 BLISTER PACK		
3	NDC:0010-4012-03	1 in 1 CARTON		
3		1 in 1 BLISTER PACK		
4	NDC:0010-4012-04	1 in 1 CARTON		
4		1 in 1 BLISTER PACK		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA140971	04/10/2020	

HEARTGARD PLUS

ivermectin and pyrantel pamoate tablet, chewable

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:0010-4013
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ivermectin (UNII: 8883YP2R6D) (ivermectin - UNII:8883YP2R6D)	ivermectin	136 ug
pyrantel pamoate (UNII: 81BK194Z5M) (pyrantel - UNII:4QIH0N49E7)	pyrantel	114 mg

Product Characteristics

Color	RED (red to red-brown)	Score	no score
Shape	RECTANGLE	Size	32mm
Flavor		Imprint Code	
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0010-4013-01	1 in 1 CARTON		
1		6 in 1 BLISTER PACK		
2	NDC:0010-4013-02	2 in 1 CARTON		
2		6 in 1 BLISTER PACK		
3	NDC:0010-4013-03	1 in 1 CARTON		
3		1 in 1 BLISTER PACK		
4	NDC:0010-4013-04	1 in 1 CARTON		
4		1 in 1 BLISTER PACK		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA140971	04/10/2020	

HEARTGARD PLUS

ivermectin and pyrantel pamoate tablet, chewable

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:0010-4014
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ivermectin (UNII: 8883YP2R6D) (ivermectin - UNII:8883YP2R6D)	ivermectin	272 ug
pyrantel pamoate (UNII: 81BK194Z5M) (pyrantel - UNII:4QIH0N49E7)	pyrantel	228 mg

Product Characteristics

Color	RED (red to red-brown)	Score	no score
Shape	RECTANGLE	Size	38mm
Flavor		Imprint Code	
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0010-4014-01	1 in 1 CARTON		
1		6 in 1 BLISTER PACK		
2	NDC:0010-4014-02	2 in 1 CARTON		
2		6 in 1 BLISTER PACK		
3	NDC:0010-4014-03	1 in 1 CARTON		
3		1 in 1 BLISTER PACK		
4	NDC:0010-4014-04	1 in 1 CARTON		
4		1 in 1 BLISTER PACK		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NADA	NADA140971	04/10/2020	

Labeler - Boehringer Ingelheim Animal Health USA Inc. (007134091)

Revised: 4/2021

Boehringer Ingelheim Animal Health USA Inc.