- #1 Choice of Veterinarians<sup>8</sup>
- #1 Choice of Dog Owners<sup>9</sup>
- #1 Choice of Dogs10









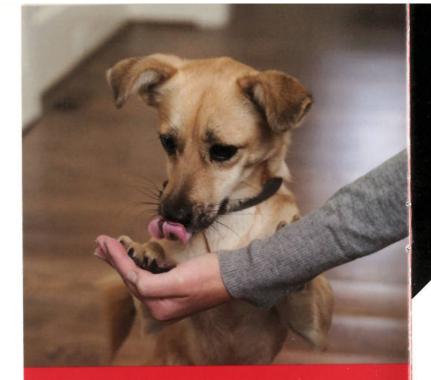
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# Heartgard (ivermectin/pyrantel)





## CONSISTENCY MATTERS

When you give HEARTGARD® Plus (ivermectin/pyrantel), it eliminates the heartworm larvae and gastrointestinal parasites that your dog may have contracted over the PREVIOUS 30 days. That's why it's important to give HEARTGARD consistently 30 days apart, so that no heartworm larvae have a chance to mature into actual adult heart worms.

# 

IMPORTANT SAFETY INFORMATION: HEARTGARD Plus is well tolerated. All dogs should be tested for heartworm infection before starting a preventive program. Following the use of HEARTGARD Plus, digestive and neurological

### MOSQUITO BITE CAN CAUSE LIFE-LONG DAMAGE.





Heartworm disease occurs when a mosquito infected with heartworm larvae bites your dog.



As the mosquito feeds, larvae are deposited on the dog's skin, and migrate into the tissue through the bite wound.



If the larvae are not eliminated, they mature into adult heartworms and cause significant damage to your dog's heart and lungs. Untreated heartworm infections can be fatal.



### Mosquitoes (and heartworm disease) are everywhere

Diagnosed in all 50 states, heartworm disease is a year-round threat to both indoor and outdoor pets. That's why the American Heartworm Society recommends testing every 12 months for heartworm and giving a heartworm preventive 12 months a year.<sup>2</sup>

## DOGS LOVE THE REAL-BEEF CHEW

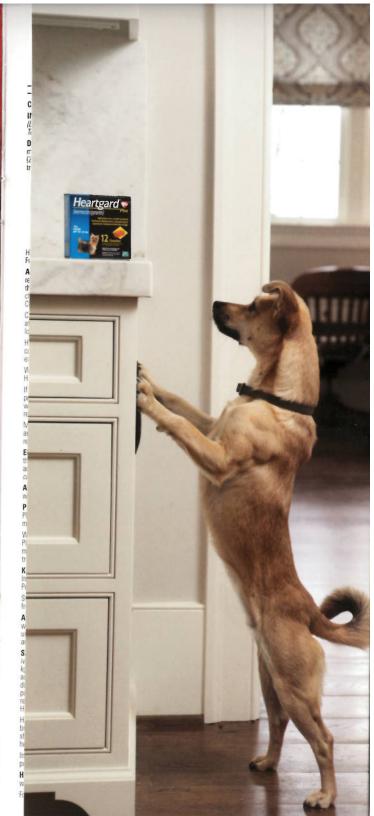
HEARTGARD® Plus (ivermectin/pyrantel) is the **ONLY** heartworm preventive made with REAL beef. Dogs love the taste<sup>7</sup> which helps make it easy – and enjoyable – for dog owners to give each month.

Dog owners and veterinarians have trusted HEARTGARD® (ivermectin) Brand Products for over 30 years.



- It's safe for puppies at least 6 weeks of age and weighing 0 pounds or more
- It's approved for breeding and lactating dogs
- ✓ Safe for all breeds, including Collies

IMPORTANT SAFETY INFORMATION: HEARTGARD Plus is well tolerated. All dogs should be tested for heartworm infection before starting a preventive program. Following the use of HEARTGARD Plus, digestive and neurological side effects have rarely been reported. For more information, contact your veterinarian or visit www.HEARTGARD.com.





### CHEWABLES

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 (Dirediana immitis) and month (30 days) after infection and for the treatment and control of assartis (Toxocara canis, Toxascaris leonina) and monkworms (Ancylostoma caninum, Incinaria stenocephala, Ancylostoma braziliense).

DOSAGE: HEARTGARD® Plus (ivermectin/pyrantel) should be administered orally at monthly intervals at the recommended minimum dose level of 6 mog of ivermectin per kilogram (2.72 mog/lb) and 5 mg of pyrantel (as pamoate salt) per kg (2.27 mg/lb) obody 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 lb	1	68 mca	57 mg	Blue
26 to 50 lb	1	136 mcg	114 mg	Green
51 to 100 lb	- 1	272 mcg	227 mg	Brown

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

ADMINISTRATION: Bemove only one chewable at a time from the foil-backed bister card. Rotum 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 torken 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 will minimize 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 Chewables, given orally using the recommended dose and regimen, are effective against the tissue laneal 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. canisma*, *U. sterocephala*, *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 deprise 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°C - 25°C). Excursions between 59°F - 86°F (15°C - 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.

SAFETY: HEARTGARD Plus has been shown to be bioequivalent to HEARTGARD, with respect to the bioavailability of ivermectin. The dose regimens of HEARTGARD and HEARTGARD are the same with regard to ivermectin (6 mog/ kg). Studies with vermectin indidate 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, come and death. HEARTGARD demonstrated no signs of toxicity at 10 times the recommended dose (60 mog/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, anthelminities, antibiotics, vaccines and steroid preparations have been administered with HEARTGARD Plus in a heartworm disease prevention 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 6 and 12 chewables.

