

# HEARTWORM PREVENTION



The American Heartworm Society recommends year-round administration of medications approved by the US Food and Drug Administration (FDA) to prevent heartworm infection. Currently available preventives are listed below; as new products become available, updates will be posted at [heartwormsociety.org](http://heartwormsociety.org). Consult the appropriate manufacturer for minimum age/weight, use during breeding/lactation, or other health requirements for product usage.

PREVENTIVES FOR DOGS		Dirofilaria immitis		Other Parasites Treated in Addition to Heartworm							
		Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Whipworms	Tapeworms	Ear Mites	Sarcoptic Mange Mites
Drug	Trade Name(s)										
<b>Oral Administration (monthly tablets and chews)</b>											
Ivermectin	<b>HEARTGARD®</b> (Boehringer Ingelheim)	X									
Ivermectin + pyrantel pamoate	<b>HEARTGARD® Plus</b> (Boehringer Ingelheim)	X				X <sup>a</sup>	X <sup>b</sup>				
	<b>Iverhart Plus®</b> (Virbac)	X				X <sup>a</sup>	X <sup>b</sup>				
	<b>Tri-Heart® Plus</b> (Merck)	X				X <sup>a</sup>	X <sup>b</sup>				
Ivermectin + pyrantel pamoate + praziquantel	<b>Iverhart Max®</b> (Virbac)	X				X <sup>a</sup>	X <sup>b</sup>		X <sup>h</sup>		
Milbemycin oxime	<b>Interceptor®</b> (Elanco), <b>MilbeGuard®</b> (Ceva)	X				X <sup>c</sup>	X <sup>b</sup>	X <sup>d</sup>			
Milbemycin oxime + praziquantel	<b>Interceptor® Plus</b> (Elanco)	X				X <sup>c</sup>	X <sup>b</sup>	X <sup>d</sup>	X <sup>f</sup>		
Milbemycin oxime + lufenuron	<b>Sentinel®</b> (Merck)	X			X <sup>i</sup>	X <sup>c</sup>	X <sup>b</sup>	X <sup>d</sup>			
Milbemycin oxime + lufenuron + praziquantel	<b>Sentinel® Spectrum®</b> (Merck)	X		X <sup>k</sup>		X <sup>c</sup>	X <sup>b</sup>	X <sup>d</sup>	X <sup>f</sup>		
Milbemycin oxime + spinosad	<b>Trifexis®</b> (Elanco)	X			X <sup>o</sup>	X <sup>c</sup>	X <sup>b</sup>	X <sup>d</sup>			
Moxidectin + sarolaner + pyrantel pamoate	<b>Simparica® Trio</b> (Zoetis)	X			X <sup>l</sup>	X <sup>m</sup>	X <sup>n</sup>	X <sup>b</sup>			
<b>Injectable Administration (every 6 or 12 months)</b>											
Moxidectin	<b>ProHeart® 6</b> (Zoetis) <b>ProHeart® 12</b> (Zoetis)	X					X <sup>p</sup>				
<b>Topical Administration (monthly spot-on)</b>											
Moxidectin + imidacloprid	<b>Advantage Multi®</b> (Elanco), <b>IMOXI™</b> (Vetoquinol USA)	X	X	X <sup>o</sup>		X <sup>q</sup>	X <sup>r</sup>	X <sup>d</sup>			X <sup>s</sup>
Selamectin	<b>Revolution®</b> (Zoetis), <b>Paradyne®</b> (Vethical), <b>Senegy™</b> (Virbac), <b>Selarid™</b> (Norbrook), <b>Revolt™</b> (Aurora)	X			X <sup>1</sup>	X <sup>2</sup>				X <sup>y</sup>	X <sup>s</sup>
PREVENTIVES FOR CATS		Dirofilaria immitis		Other Parasites Treated in Addition to Heartworm							
		Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Tapeworms	Ear Mites		
Drug	Trade Name(s)										
<b>Oral Administration (monthly tablets and chews)</b>											
Ivermectin	<b>HEARTGARD®</b> (Boehringer Ingelheim)	X				X <sup>g</sup>					
Milbemycin oxime	<b>Interceptor®</b> (Elanco) <b>MilbeGuard</b> (Ceva)	X				X <sup>c</sup>	X <sup>e</sup>				
<b>Topical Administrations (monthly spot-on; Bravecto PLUS is every 2 months)</b>											
Moxidectin + imidacloprid	<b>Advantage Multi®</b> (Elanco), <b>IMOXI™</b> (Vetoquinol USA)	X		X <sup>o</sup>		X <sup>t</sup>	X <sup>u</sup>				X <sup>v</sup>
Moxidectin + fluralaner	<b>Bravecto® PLUS</b> (Merck)	X		X <sup>o</sup>	X <sup>w</sup>	X <sup>t</sup>	X <sup>u</sup>				
Eprinomectin + praziquantel	<b>CENTRAGARD®</b> (Boehringer Ingelheim)	X				X <sup>i</sup>	X <sup>e</sup>	X <sup>4</sup>			
Selamectin	<b>Revolution®</b> (Zoetis), <b>Paradyne®</b> (Vethical), <b>Revolt™</b> (Aurora), <b>Senegy™</b> (Virbac), <b>Selarid™</b> (Norbrook)	X			X <sup>1</sup>	X <sup>i</sup>	X <sup>e</sup>				X <sup>v</sup>
Selamectin + sarolaner	<b>Revolution® Plus</b> (Zoetis)	X			X <sup>1</sup>	X <sup>3</sup>	X <sup>i</sup>	X <sup>e</sup>			X <sup>v</sup>
PREVENTIVES FOR FERRETS (monthly spot-on)		Dirofilaria immitis		Other Parasites Treated in Addition to Heartworm							
		Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Tapeworms	Ear Mites		
Drug	Trade Name(s)										
Moxidectin + imidacloprid	<b>Advantage Multi®</b> (Elanco)	X		X <sup>o</sup>							

**a** - *Ancylostoma caninum*, *Uncinaria stenocephala*, *A. braziliense*; **b** - Ascarids (*Toxocara canis*, *Toxascaris leonina*); **c** - Adult *Ancylostoma caninum*; **d** - *Trichuris vulpis*; **e** - *Toxocara cati*; **f** - *Taenia pisiformis*, *Echinococcus multilocularis*, *E. granulosus*, *Dipylidium caninum*; **g** - Adult & immature hookworms (*Ancylostoma tubaeforme*, *A. braziliense*); **h** - *D. caninum*, *T. pisiformis*; **i** - Adult *Ancylostoma tubaeforme*; **j** - Prevents development of flea eggs; does not kill adult fleas; **k** - Prevention and control of flea populations (*Ctenocephalides felis*); **l** - Treatment of flea infestations (*C. felis* and *C. canis*); **m** - Treatment of tick infestations, with immediate & persistent tick killing activity for 5 weeks against *Ixodes hexagonus*, *I. ricinus*, *Rhipicephalus sanguineus* & for 4 weeks against *Dermacentor reticulatus*; **n** - *A. caninum* L4 larvae, immature adults (L5) and adults; *U. stenocephala* adults; **o** - Kills adult fleas; prevention & treatment of flea infestations (*C. felis*); **p** - Larval and adult *A. caninum* & *U. stenocephala*; **q** - Adult, immature adult, & fourth-stage larvae (L4) of *A. caninum* and *U. stenocephala*; **r** - Adult *T. leonina* & adult & L4 of *T. canis*; **s** - *Sarcoptes scabiei* var. *canis*; **t** - Adult, immature adult, & L4 of *A. tubaeforme*; **u** - Adult, immature adult, & L4 of *T. cati*; **v** - *Otodectes cynotis*; **w** - Control of tick infestations due to *I. scapularis*, *D. variabilis*; **x** - Adult and L4 *A. tubaeforme*, adult *A. braziliense*; **y** - Adult and L4 *T. cati*; **z** - Adult *D. caninum*, *E. multilocularis*; **1** - Kills adult fleas & prevents flea eggs from hatching for 1 month; prevention & control of *C. felis* infestation; **2** - Control of tick infestations due to *D. variabilis*; **3** - Control of tick infestations due to *I. scapularis*, *A. maculatum*, *D. variabilis*; **4** - Adult *D. caninum* and *E. multilocularis*.