

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. Consult the appropriate manufacturer for minimum age/weight, use during breeding/lactation, or other health requirements for product usage.

PREVENTIVES FOR DOGS		<i>Dirofilaria immitis</i>		Other Parasites Treated in Addition to Heartworm							
Drug	Trade Name(s)	Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Whipworms	Tapeworms	Ear Mites	Sarcoptic Mange Mites
Oral Administration (monthly tablets and chews)											
Ivermectin	HEARTGARD® (Boehringer Ingelheim)	X									
Ivermectin + pyrantel pamoate	HEARTGARD® Plus (Boehringer Ingelheim)	X				X ^a	X ^b				
	Iverhart Plus® (Virbac)	X				X ^a	X ^b				
	Tri-Heart® Plus (Merck)	X				X ^a	X ^b				
Ivermectin + pyrantel pamoate + praziquantel	Iverhart Max® (Virbac)	X				X ^a	X ^b		X ^h		
Milbemycin oxime	Interceptor® (Elanco), MilbeGuard® (Ceva)	X				X ^c	X ^b	X ^d			
Milbemycin oxime + praziquantel	Interceptor® (Elanco)	X				X ^c	X ^b	X ^d	X ^f		
Milbemycin oxime + lufenuron	Sentinel® (Merck)	X		X ^j		X ^c	X ^b	X ^d			
Milbemycin oxime + lufenuron + praziquantel	Sentinel® Spectrum® (Merck)	X		X ^k		X ^c	X ^b	X ^d	X ^f		
Milbemycin oxime + spinosad	Trifexis® (Elanco)	X		X ^o		X ^c	X ^b	X ^d			
Moxidectin + afoxolaner + pyrantel	NEXGARD® PLUS (Boehringer Ingelheim)	X		X ^o	X ⁷	X ^a	X ^b				
Moxidectin + sarolaner + pyrantel pamoate	Simparica® Trio (Zoetis)	X		X ^l	X ^m	X ⁿ	X ^b				
Injectable Administration (every 6 or 12 months)											
Moxidectin	ProHeart® 6 (Zoetis) ProHeart® 12 (Zoetis)	X				X ^p					
Topical Administration (monthly spot-on)											
Moxidectin + imidacloprid	Advantage Multi® (Elanco), IMOXI™ (Vetoquinol USA), PARASEDGE™ Multi (Virbac), Midamox™ (Norbrook)	X	X	X ^o		X ^q	X ^r	X ^d			X ^s
Selamectin	Revolution® (Zoetis), Paradyme® (Vethical), Senergy™ (Virbac), Selarid™ (Norbrook), Revolt™ (Aurora)	X		X ¹	X ²					X ^v	X ^s
PREVENTIVES FOR CATS		<i>Dirofilaria immitis</i>		Other Parasites Treated in Addition to Heartworm							
Drug	Trade Name(s)	Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Tapeworms	Ear Mites		
Oral Administration (monthly tablets and chews)											
Ivermectin	HEARTGARD® (Boehringer Ingelheim)	X				X ^g					
Milbemycin oxime	Interceptor® (Elanco), MilbeGuard® (Ceva)	X				X ^c	X ^e				
Topical Administration (monthly spot-on; Bravecto PLUS is every 2 months)											
Moxidectin + imidacloprid	Advantage Multi® (Elanco), IMOXI™ (Vetoquinol USA), PARASEDGE™ Multi (Virbac), Midamox™ (Norbrook)	X		X ^o		X ^t	X ^u			X ^y	
Moxidectin + fluralaner	Bravecto® PLUS (Merck)	X		X ^o	X ^w	X ^t	X ^u				
Eprinomectin + praziquantel	CENTRAGARD® (Boehringer Ingelheim)	X				X ⁱ	X ^e	X ⁴			
Esafoxolaner + eprinomectin + praziquantel	NEXGARD® COMBO (Boehringer Ingelheim)	X		X ^o	X ⁵	X ^g	X ^e	X ⁶			
Selamectin	Revolution® (Zoetis), Paradyme® (Vethical), Senergy™ (Virbac), Selarid™ (Norbrook), Revolt™ (Aurora)	X		X ¹		X ⁱ	X ^e			X ^y	
Selamectin + sarolaner	Revolution® PLUS (Zoetis)	X		X ¹	X ³	X ⁱ	X ^e			X ^y	
PREVENTIVES FOR FERRETS		<i>Dirofilaria immitis</i>		Other Parasites Treated in Addition to Heartworm							
Drug	Trade Name(s)	Tissue Stages (Larvae)	Circulating Microfilariae	Fleas	Ticks	Hookworms	Roundworms	Tapeworms	Ear Mites		
Moxidectin + imidacloprid	Advantage Multi® (Elanco)	X		X ^o							

a - *Ancylostoma caninum*, *Uncinaria stenocephala*, *A. braziliense*; **b** - *Ascaris* (*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*, *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*; **5** - Treatment and control of *I. scapularis*, *R. sanguineus*, *D. variabilis*, and *A. americanum* infestations for one month in dogs and puppies 8 weeks of age and older, weighing >4 pounds; **6** - *D. caninum*; **7** - Treatment and control of *I. scapularis*, *R. sanguineus*, *D. variabilis*, and *A. americanum* infestations for one month.