



The Emerging Threats of Ticks and Tick-Borne Diseases in Cats

Tick-borne diseases are a threat to both indoor and outdoor cats

In one study, nearly

10% of indoor-only cats

tested positive for antibodies to *Borrelia burgdorferi*, *Anaplasma phagocytophilum*, or both¹

In another study, more than

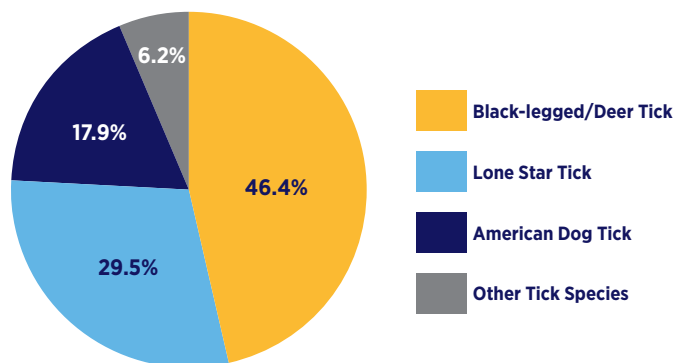
20% of cats with tick infestations

were indoor-only or lived primarily indoors²

The truth: No cat is safe from ticks and the diseases they spread

Common tick species are spreading across the US,³ meaning more cats are at risk

A national study identified the most common tick species infesting cats⁴



A significant gap in feline parasite prevention leaves cats at risk for exposure to tick-borne diseases



78% of cat owners

leave the vet without purchasing any flea, tick, or heartworm prevention⁵

Common tick species carry diseases that may impact indoor and outdoor cats



Black-legged/Deer Tick

- Can transmit *B. burgdorferi* and *Anaplasma* to cats within 24-48 hours of attachment⁶⁻⁸
- Can cause tick paralysis⁹



Lone Star Tick

- Can transmit *Cytauxzoon felis* within 36-48 hours of attachment^{6,10}
- Also a vector for *Ehrlichia* and *F. tularensis*⁶



American Dog Tick

- Can transmit *Cytauxzoon felis*⁶
- Can cause tick paralysis⁹



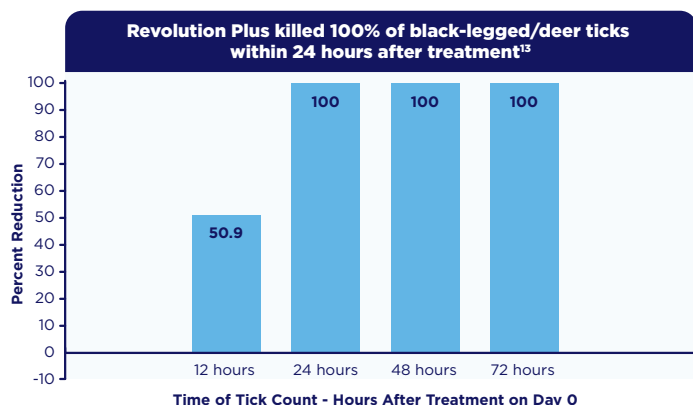
Gulf Coast Tick¹¹

- Aggressive tick species
- Able to tolerate hot, arid environments

Protect your feline patients from ticks with veterinarians' #1 choice for cats¹²

revolution[®] PLUS
(selamectin and sarolaner topical solution)

**Revolution Plus kills ticks fast and was the first combo preventative
FDA approved to kill 4 types of ticks***



Revolution Plus Protection	
Black-legged or Deer Tick (<i>Ixodes scapularis</i>)	✓
Gulf Coast Tick (<i>Amblyomma maculatum</i>)	✓
American Dog Tick (<i>Dermacentor variabilis</i>)	✓
Lone Star Tick (<i>Amblyomma americanum</i>)	✓

Veterinarians' #1 Choice for cats¹² | **3 out of 4 cat owners preferred to use Revolution Plus¹⁴**

Talking tips for cat caregivers



Ticks bites can be irritating but can also spread diseases

Ticks can make their way indoors on other pets or on your shoes or clothing

Ticks are active all year round, so it's important to keep your cat protected every month with effective and safe broad-spectrum parasite protection



Visit RevolutionPlusDVM.com to learn more.

IMPORTANT SAFETY INFORMATION: The safe use of Revolution Plus has not been established in kittens less than 8 weeks old or in breeding, pregnant or lactating cats. Reported side effects in clinical trials included lethargy and anorexia. Use with caution in cats with a history of neurologic disorders. Revolution Plus contains sarolaner, a member of the isoxazoline class which has been associated with neurologic adverse reactions, such as tremors, ataxia, and seizures in cats with or without a history of neurologic disorders. In humans, Revolution Plus may be irritating to skin and eyes. See full Prescribing Information at RevolutionPlusPI.com.

References: 1. Hoyt K, Chandrashekar R, Beall M, Leutenegger C, Lappin MRI. Evidence for clinical anaplasmosis and Borreliosis in cats in Maine. *Top Companion Anim Med.* 2018;33(2):40-44. doi:10.1053/j.tcam.2018.05.002 2. Little SE, Barrett AW, Nagamori Y, et al. Ticks from cats in the United States: Patterns of infestation and infection with pathogens. *Vet Parasitol.* 2018;257:15-20. doi:10.1016/j.vetpar.2018.05.002 3. Smith RC, Sundstrom KD, Scimeca RC, Starkey LA. Detection of pathogens within Ixodid ticks collected from domestic cats across the USA. *Parasit Vectors.* 2025;18(1):255. doi:10.1186/s13071-025-06902-z 4. Saleh MN, Sundstrom KD, Duncan KT, et al. Show us your ticks: a survey of ticks infesting dogs and cats across the USA. *Parasites Vectors.* 2019;12:595. doi:10.1186/s13071-019-3847-3 5. ZMR: Pets Purchasing FTH Vetstreet Raw Data. December 12, 2018. 6. Saleh MN, Allen KE, Linberry MW, Little SE, Reichard MV. Ticks infesting dogs and cats in North America: biology, geographic distribution, and pathogen transmission. *Vet Parasitol.* 2021;294:109392. doi:10.1016/j.vetpar.2021.109392 7. Eisen L. Pathogen transmission in relation to duration of attachment by Ixodes scapularis ticks. *Ticks Tick Borne Dis.* 2018;9(3):535-542. doi:10.1016/j.ttbdis.2018.01.002 8. Savidge C, Ewing P, Andrews J, et al. Anaplasma phagocytophilum infection of domestic cats: 16 cases from the northeastern USA. *J Feline Med Surg.* 2016;18(2):85-91. doi:10.1177/1098612X15571148 9. Honnas CM, Athey JM, Verocai GG, et al. Apparent Ixodes tick paralysis in a cat from North America. *JFMS Open Rep.* 2020;6(2):2055116920964001. doi:10.1177/2055116920964001 10. Reichard MV, Sanders TL, Weeraratne P, et al. Cytauxzoonosis in North America. *Pathogens.* 2021;10(9):1170. doi:10.3390/pathogens10091170 11. Allerdice MEJ, Beati L, Yaglom H, et al. Rickettsia parkeri (Rickettsiales: Rickettsiaceae) detected in ticks of the Amblyomma maculatum (Acari: Ixodidae) group collected from multiple locations in Southern Arizona. *J Med Entomol.* 2017;54(6):1743-1749. doi:10.1093/jme/tjx138 12. ZMR: Kynotec PetTrack US FTH National Data, January to December 2025. 13. Vatta AF, Everett WR, Cherni JA, King VL, Rugg D. The speed of kill of a topical combination of selamectin plus sarolaner against induced infestations of Ixodes scapularis ticks on cats. *Vet Parasitol.* 2019;270 Suppl 1:S26-S30. doi:10.1016/j.vetpar.2018.10.016 14. Data on file. Pet owner preference study. September 2023. Zoetis Inc. Revolution Plus was tested against NexGard® COMBO and Bravecto® Plus (n=20).

*Ixodes scapularis, Amblyomma maculatum, Dermacentor variabilis and Amblyomma americanum.