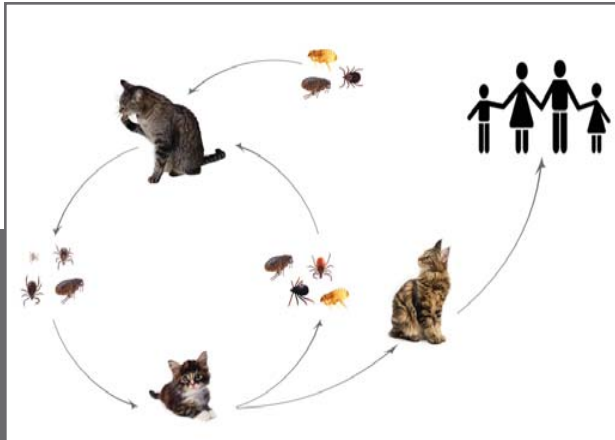


Break the cycle of *Bartonella* infection.



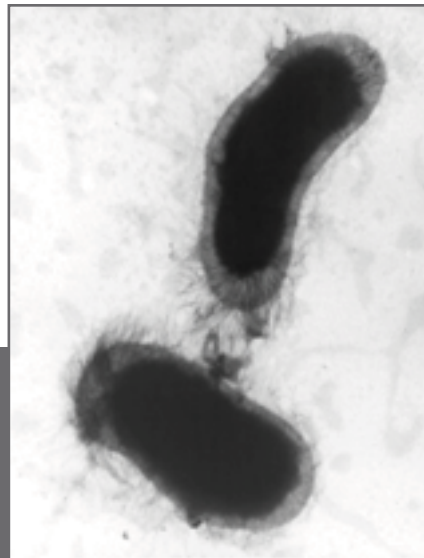
Find it.
Treat it.

Bartonella lives in cats and dogs, but pets virtually never show any signs despite chronic blood-borne infection. The bacteria is spread by fleas, lice and ticks and can be transmitted to your family.

If your household includes small children, elderly people, or other members with weak or compromised immune systems, you should have your pet tested. If positive, your pet should be treated by your veterinarian to eliminate the bacteria from the blood.

You should routinely use flea and tick prevention products to avoid *Bartonella* infection in your pets and your family.

Electron Micrograph of the bacteria



ePCR™



ePCR™

Galaxy Diagnostics offers the most sensitive test for the detection of active *Bartonella* infection in patients with healthy immune systems. Our EnrichmentPCR™ testing platform combines a patented enrichment culture with state-of-the-art molecular detection to significantly increase the odds of diagnosing the presence of *Bartonella* species bacteria in a given patient sample. *Bartonella* is a hard-to-detect, vector-borne bacteria linked to both acute and chronic illnesses.

Galaxy Diagnostics, Inc.

contact@galaxydx.com
galaxydx.com

The New Gold Standard in
Bartonella Diagnosis

**Protect Your Pet.
Protect Your Family.
Test for *Bartonella*.**



The most important bacteria you've never heard of

Bartonella is a hard-to-detect, vector-borne bacteria linked to both acute and chronic illnesses in cats, dogs, and people. Transmission is thought to occur by way of animal bites and scratches and from contact with biting insects, including fleas, lice, sand flies and ticks.

Following flea transmission, cats often develop chronic blood-borne infections with several *Bartonella* species. *Bartonella henselae*, the cause of cat scratch disease, induces very high levels of infection in cats.

Cats are well adapted to several *Bartonella* species and can harbor these bacteria at high levels of infection.

Bartonella species bacteria have been found in animals around the world and are known to cause persistent infections in a number of

domestic and wild animals, including cats and dogs, where these organisms usually cause a long-lasting intracellular infection of erythrocytes (red blood cells) and potentially vascular endothelial cells.

By combining enrichment culture with a highly sensitive PCR, infections with one or more *Bartonella* species can be detected in blood and other biological samples from immunocompetent animals, including cats, dogs, and horses.

Our novel EnrichmentPCR™ test represents an important advance in *Bartonella* diagnosis, particularly in patients with a healthy immune system.

EnrichmentPCR™: the new gold standard in *Bartonella* diagnosis.

How is our test different?

Patented testing technology.

Our EnrichmentPCR™ test is built around a patented enrichment medium (*Bartonella* alpha Proteobacteria growth medium, BAPGM), which promotes the growth of *Bartonella* species to a level of detection using our highly sensitive DNA testing approach (PCR amplification followed by DNA sequencing).

Pre- and post-culture PCR.

Our EnrichmentPCR™ methodology is designed to minimize the likelihood of false negative test results. For that reason, we run PCRs both before and after enrichment culture to ensure that we capture any viable or nonviable bacterial DNA present in the sample.

DNA sequence verification.

We sequence verify all positive PCR results to identify the species causing infection in the healthy or sick pet. Sequence identification is an important step for *Bartonella* diagnosis as virulence and antibiotic resistance may vary across species. Over 26 *Bartonella* species have been characterized and new species are identified each year.

Vector-borne disease expertise.

Our enhanced *Bartonella* diagnostic platform was developed by research experts in vector-borne infectious diseases at North Carolina State University College of Veterinary Medicine (NCSU-CVM). The effectiveness of our testing methodology and the indications for testing are supported by an extensive body of clinical research. New research supports an important role for various *Bartonella* species as emerging human pathogens. Thus, protect your pet and protect your family. New research is emerging to support the medical importance of *Bartonella* infection.