

Antech™

Accuplex™ with C6

Tests for Heartworm, Lyme, Ehrlichia, and Anaplasma



Enhanced Lyme Detection on Antech's Accuplex Platform

Lyme detection on Antech's Accuplex now includes screening for antibodies to C6. The C6 peptide exists in the invariable region (IR6) of the VlsE surface lipoprotein of *Borrelia burgdorferi* and is only expressed following natural infection or exposure of a host. Therefore, a positive C6 result will not be reported from cross-reactivity with vaccinal antibodies.

Confident Canine Vector-Borne Disease Screening

The 2018 ACVIM consensus update on Lyme borreliosis in dogs and cats¹ indicates the utility of screening for C6 antibodies for the detection of Lyme disease. Antech Diagnostics is committed to the continued product enhancement of our diagnostic offerings in line with advances in clinical medicine and to address the increasing prevalence of infectious diseases.

While a positive Lyme C6 result indicates natural infection or exposure, the majority of seropositive dogs do not develop clinical signs. The accompanying diagnostic algorithm can guide you through a thorough diagnostic workup including an investigation into the presence or absence of proteinuria as recommended by the ACVIM guidelines. **For More Information, Refer to the Accuplex Lyme Algorithm on Page 2.**

Reliable Heartworm Detection

Infection by heartworm (*Dirofilaria immitis*) is a life-threatening condition in dogs, and the ability to identify an infection early, before a patient shows any clinical signs, is crucial for beginning treatment when it is most impactful. The Accuplex heartworm antigen test is an effective tool to aid veterinarians in this detection.

A Lyme-positive Test Identifies Exposure, Not Illness — the Majority of Dogs Never Get Sick

Once a dog tests positive for Lyme disease, it is important to monitor for clinical signs such as lameness, joint swelling, fever, lethargy, and decreased appetite. Treatment is indicated in patients exhibiting clinical signs and/or renal proteinuria.

Improved Detection of Ehrlichia Spp.

Accuplex now tests for the presence of antibodies to three different *Ehrlichia* species: *E. canis*, *E. ewingii*, & *E. chaffeensis*. These pathogens can be transmitted by varying tick species with different endemic regions. Using Accuplex, you can rest assured knowing the species that may be in your back yard is covered.

Early and Reliable Detection of A. Phagocytophilum

Early detection of *Anaplasma phagocytophilum* infection is important to improve success in treatment and the Accuplex assay was able to detect *A. phagocytophilum* antibodies as early as 14 days post-infection.²

Product Information

US CODE	CANADA CODE	SPECIMEN	TURNAROUND TIME
AC100	CAC100	0.5 mL serum	1-2 days



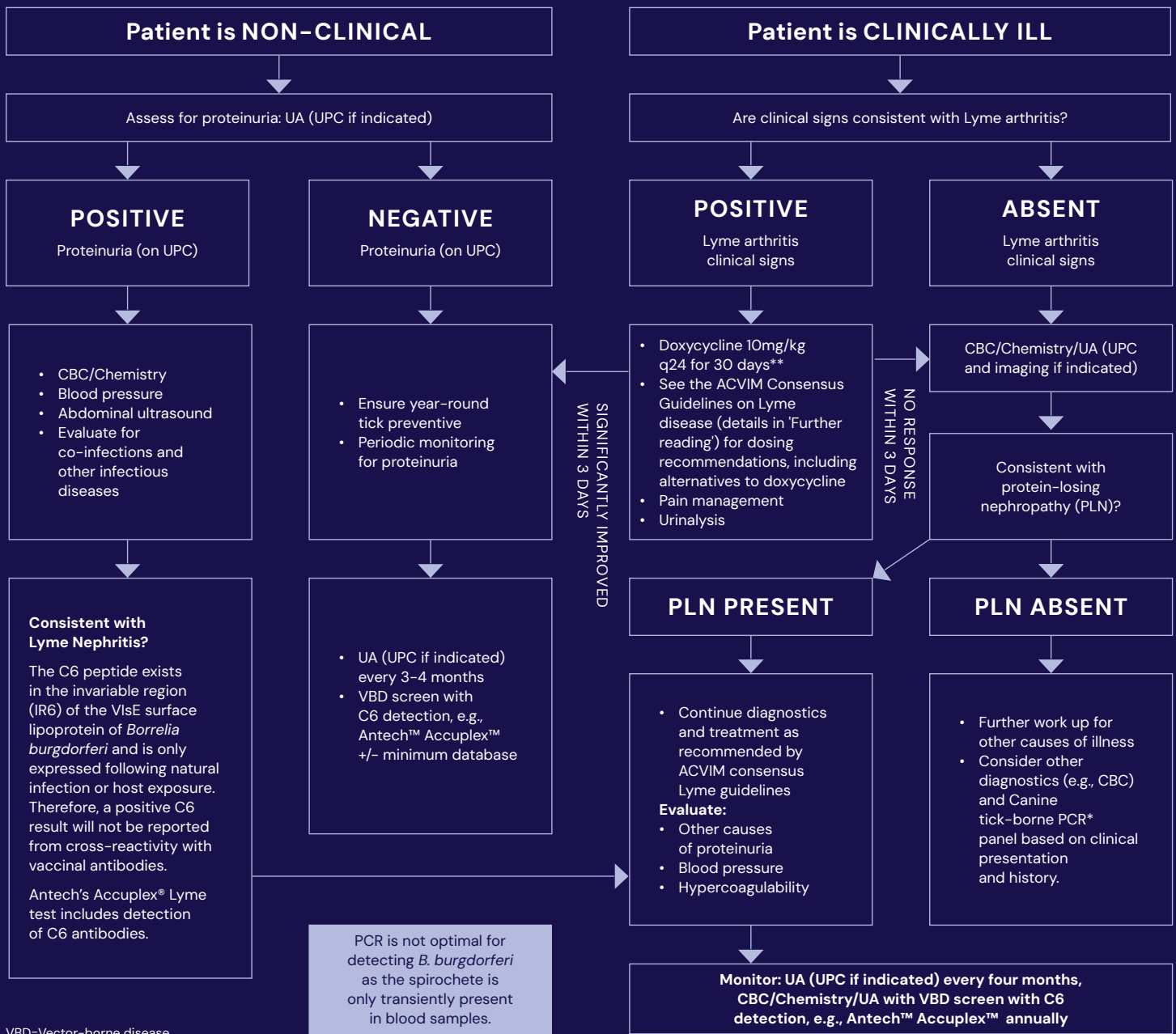
Take a deeper dive into accuplex with Antech. Learn more in the link or QR code below.

q-r.to/antech-accuplex0125

REFERENCES

1. Littman MP, Gerber B, Goldstein RE, Labato MA, Lappin MR, Moore GE. ACVIM consensus update on Lyme borreliosis in dogs and cats. *J Vet Intern Med.* 2018;32(3):887-903. <https://doi.org/10.1111/jvim.15085>
2. Moroff S, Sokolchik I, Woodring T, Woodruff C, Atkinson B, Lappin MR. Detection of antibodies against *Anaplasma phagocytophilum* in dogs using an automated fluorescence based system. *The Veterinary Journal.* 2014; 202(2):348-352. <https://doi.org/10.1016/j.tvjl.2014.08.018>

Positive C6 (C6 antibodies detected)



VBD=Vector-borne disease.

Negative C6 Result

