

NEW!



THE MOST ADVANCED TEST TO DETECT ANTIBODIES TO BABESIA

BABESIA IMMUNOBLOT

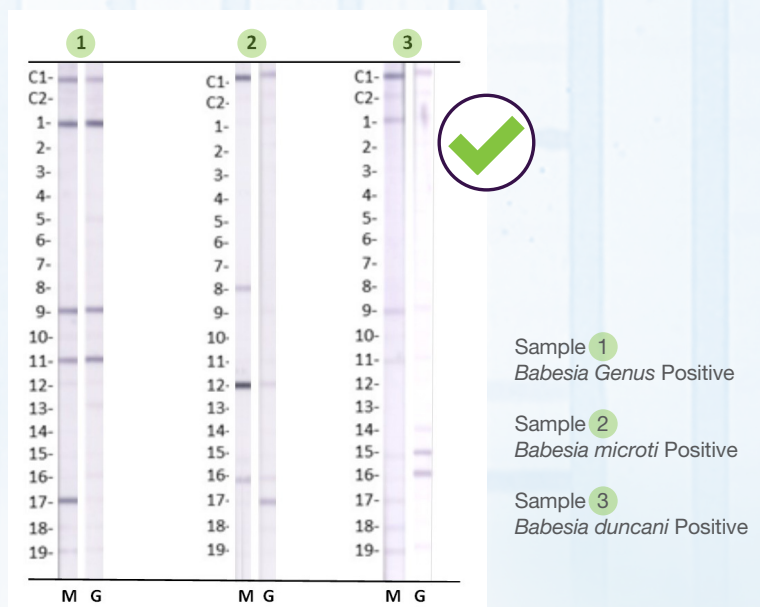
Babesia is transmitted to humans through the bite of an infected tick. However, unlike other tick-borne diseases, it is caused by microscopic parasites that infect red blood cells. This makes it similar to malaria. Babesia is the most common Lyme disease co-infection, and therefore testing is recommended if testing your patients for Lyme. The IGeneX Babesia ImmunoBlot tests for the Babesia genus and speciates to multiple species of Babesia that infect humans, including *B. microti* and *B. duncani*.

ADVANTAGES OF THE IGENEX BABESIA IMMUNOBLOT

- ✓ Uses specifically created recombinant proteins and not proteins from cultures
- ✓ Unlike IFA, can detect multiple species in one test
- ✓ Detects the full spectrum of disease: early, active and late-stage
- ✓ Detects Babesia genus and speciates to *B. microti* and *B. duncani*
- ✓ Replaces the IFA
- ✓ Avoids the error prone process of visualizing slides through a microscope

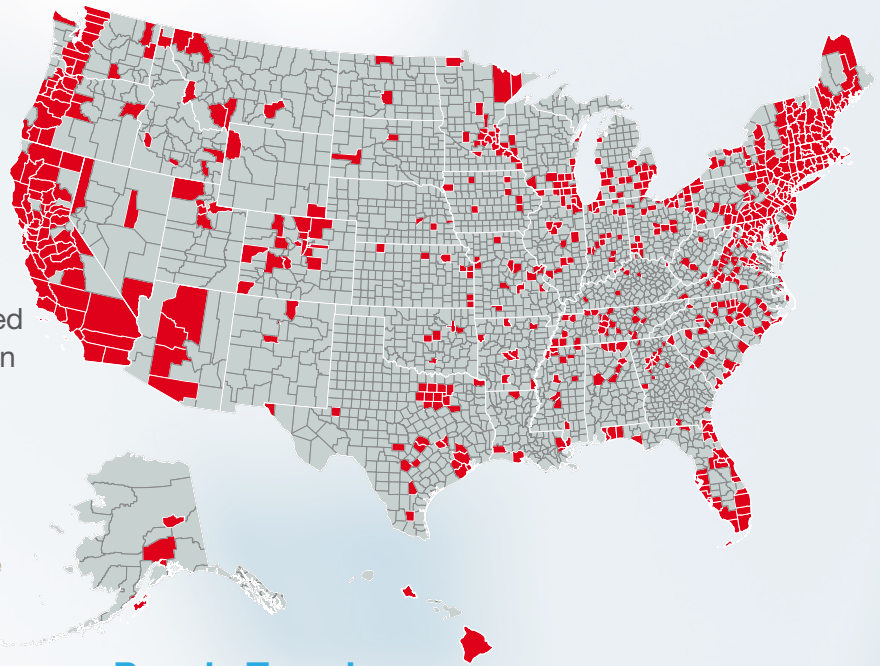
THE DIFFERENCE IS CLEAR

IGeneX ImmunoBlots are much easier to interpret than other tests used to detect Babesiosis, such as IFA. Also, because they use recombinant antigens and include multiple species, ImmunoBlots are more sensitive and specific.



BABESIA IS IN ALL 50 STATES

Cases of Babesia have expanded to regions outside its endemic areas and are now confirmed to be present in all 50 states. There are two main reasons for this increase: **ticks and travel**.

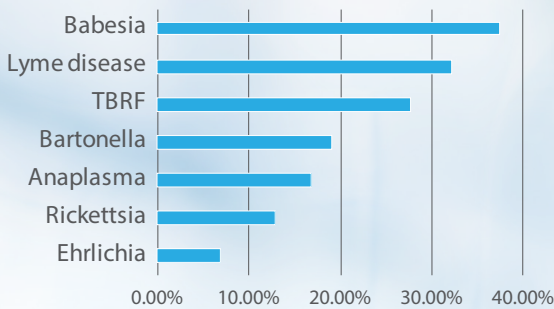


Tick Spread

The same hard-bodied Eastern and Western black-legged ticks that transmit *B. burgdorferi*, the causative agent of Lyme disease, also carry Babesia. In addition, recent data suggest that the Brown Dog Tick can transmit less common strains of Babesia, including *Babesia vogeli* and *Babesia canis*.

People Travel

IGeneX data shows that patients positive for Babesia often contract the disease during domestic travel. Also, due to international travel, cases of common European strains of Babesia, such as *B. divergens*, are appearing across the US.



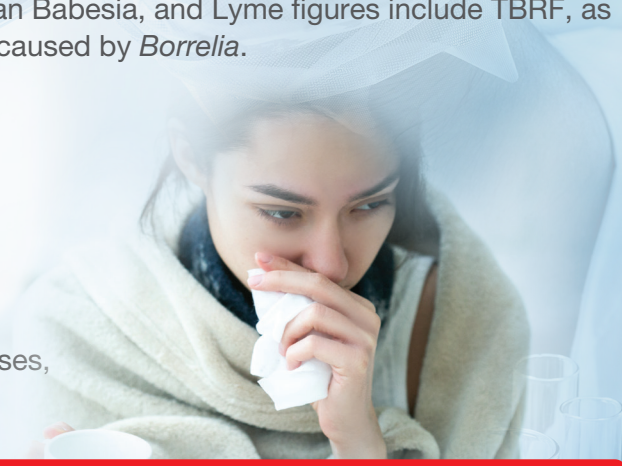
Source: 2018 IGeneX study of 10,000 patients from various states.

BABESIA MAY BE MORE PREVALENT THAN LYME DISEASE

A study of 10,000 patients revealed that 37.3% were positive for Babesia, and 32.1% for Lyme disease. However, Lyme is generally considered more widespread than Babesia because it is more widely reported than Babesia, and Lyme figures include TBRF, as both diseases are caused by *Borrelia*.

SYMPTOMS OF BABESIA

Human babesiosis infection may cause fever, chills, headache, nausea, vomiting, and/or muscle aches (myalgia). Symptoms may be mild in otherwise healthy people; in addition, some infected individuals may exhibit no symptoms. In some cases, Babesia can be fatal.



How to Order IGeneX Babesia ImmunoBlots

IGeneX Babesia ImmunoBlot tests can be ordered separately or as part of a panel. While the ImmunoBlot represents a significant improvement over standard serologies, not every case will be picked up by every test. This is why IGeneX recommends panel testing. A panel provides the best combination of direct testing (looks for pathogen) and indirect testing (measures antibody response).

CONTACT IGENEX TODAY TO LEARN MORE
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