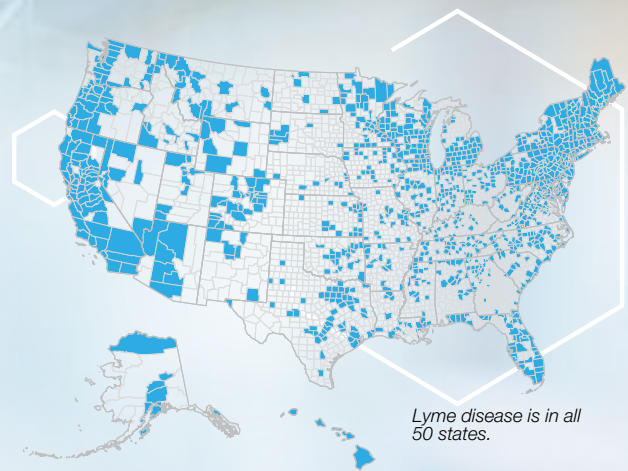


3 REASONS WHY YOUR PATIENTS NEED ADVANCED TICK-BORNE DISEASE TESTING

1 TBDs are Increasing

Tick-borne disease cases are up 45% in the past three years. Lyme disease, the most prevalent tick-borne disease, infects 476,000 people annually. That makes Lyme disease cases four times more common than new cases of HIV/AIDS, tuberculosis, and syphilis combined.



2 Standard Tests are Unreliable

Many insurance providers cover two-tier testing, consisting of an ELISA followed by a Western blot. However, the sensitivity of this approach is just above 50% (a coin flip), resulting in many false negatives.

3 Misdiagnosis Leads to Staggering Long-Term Costs

Patients risk serious financial consequences if not diagnosed early. In a study of IGeneX patients from 2021-2023, 76% were unsuccessfully diagnosed using the ELISA/Western Blot two-step protocol. In addition, 35% spent more than \$10,000 on tests, treatments, and other costs associated with their disease.

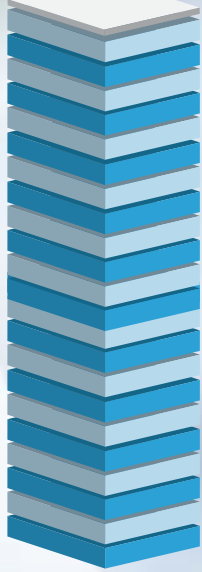


Survey of 198 IGeneX patients from 2021-2023.

Give Your Patients the Right Answer, Right Away

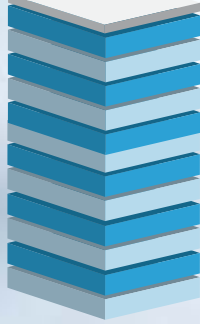
**IGeneX
ImmunoBlots**

93%



**ELISA/Western
Blot**

57.6%



THE IGENEX IMMUNOBLOT IS SUPERIOR TO CURRENT INSURANCE COVERED TESTS

Standard Lyme serologies test for only one species of *Borrelia*, missing many positive patients. The IGeneX ImmunoBlot detects antibodies to nine different species, resulting in a sensitivity of 93%, versus 57.6% for standard testing.

IGENEX IMMUNOBLOT

- ✓ *B. burgdorferi* B31
- ✓ *B. burgdorferi* 297
- ✓ *B. californiensis*
- ✓ *B. mayonii*
- ✓ *B. afzelii*
- ✓ *B. garinii*
- ✓ *B. spielmanii*
- ✓ *B. valaisiana*
- ✓ *B. bissettii*

STANDARD TESTS

- ✓ *B. burgdorferi* B31

Sources

- Waddell LA, Greig J, Mascarenhas M, Harding S, Lindsay R, Ogden N (2016) The Accuracy of Diagnostic Tests for Lyme Disease in Humans, A Systematic Review and Meta-Analysis of North American Research. PLoS ONE 11(12): e0168613.
- Pilot Study of Immunoblots with Recombinant *Borrelia burgdorferi* Antigens for Laboratory Diagnosis of Lyme Disease

IGENEX IS FULLY CERTIFIED

IGeneX is certified by CLIA to perform high-complexity tests on human samples in all 50 states. IGeneX also holds licenses and permits for individual states that require separate state licensures. Including New York. This demonstrates that IGeneX meets the quality of standards at state and federal levels.

NO OTHER LAB CAN DO WHAT IGeneX CAN DO

	IGeneX	Domestic Labs	International Labs
cePCR (Culture-Enhanced PCR) testing for Lyme disease, TBRF, Bartonella, Babesia, Rickettsia, Ehrlichia and Anaplasma*	✓	✗	✗
Lyme Multi-Species ImmunoBlots that detect the Lyme <i>Borreliae</i> genus and speciate to <i>B. burgdorferi</i> B31, <i>B. burgdorferi</i> 297, <i>B. californiensis</i> , <i>B. mayonii</i> , <i>B. afzelii</i> , <i>B. garinii</i> , <i>B. spielmanii</i> , <i>B. bissettii</i> and <i>B. valaisiana</i>	✓	✗	✗
TBRF Multi-Species ImmunoBlots that detect the TBRF <i>Borreliae</i> genus and speciate to <i>B. hermsii</i> , <i>B. miyamotoi</i> and <i>B. turicatae</i>	✓	✗	✗
Bartonella Multi-Species ImmunoBlots that detect the Bartonella genus and speciate to <i>B. henselae</i> , <i>B. quintana</i> , <i>B. elizabethae</i> and <i>B. vinsonii</i> *	✓	✗	✗
Babesia Multi-Species ImmunoBlots that detect the Babesia genus and speciate to <i>B. microti</i> and <i>B. duncani</i> *	✓	✗	✗
Babesia FISH (Fluorescence In Situ Hybridization)	✓	✗	✗
Bartonella FISH and Bartonella IgXSpot T-Cell test*	✓	✗	✗

* Not available in New York

CONTACT IGENEX TODAY TO LEARN MORE
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