

## WHY TEST FOR TICK-BORNE DISEASES?

Ticks are not confined to the Northeast and Upper Midwest. Ticks come in many different varieties that not only look different, but also can transmit different types of diseases to both people and animals.

### AMERICAN DOG TICK

Rickettsiosis, Tularemia



### EASTERN BLACKLEGGED TICK

Lyme disease, Babesiosis, TBRF, Rickettsiosis, Ehrlichiosis, Anaplasmosis



### BROWN DOG TICK

Babesiosis, Rickettsiosis, Ehrlichiosis



### GULF COAST TICK

Babesiosis



### LONE STAR TICK

Ehrlichiosis, STARI, Heartland Virus



### ROCKY MOUNTAIN WOOD TICK

Rickettsiosis, Tularemia



### WESTERN BLACKLEGGED TICK

Lyme disease, Babesiosis, TBRF, Rickettsiosis, Ehrlichiosis, Anaplasmosis



### SOFT TICKS

TBRF



## PETS CAN PASS ALONG TICK-BORNE DISEASES

Dogs may contract a TBD through contact with ticks. They can pass it directly through a bite, but usually it's by shedding the disease-carrying ticks throughout the house. Cats can pass on disease directly through a scratch, commonly called Cat Scratch Fever.



## GET THE RIGHT ANSWER

67% of IGeneX patients see more than five doctors before coming to IGeneX. Choose IGeneX, and be the last stop on your patient's journey.

## HOW TO GET STARTED

### Step 1 ORDER COLLECTION KITS

Physicians can order any of the IGeneX collection kits in bulk, free of charge, to distribute to their patients by calling 1-800-832-3200 or visiting [igenex.com](http://igenex.com).

### Step 2 CHOOSE TESTS

The kits will include a Test Requisition Form (TRF) that you'll need to complete with your patient.

### Step 3 DRAW SPECIMEN & SHIP

Have your patients take the kit and all completed contents to a blood draw site. A prepaid FedEx shipping label is included with the kit for returning to IGeneX.

### Step 4 GET RESULTS

Once your patient's kit is received, IGeneX will conduct the appropriate tests. Completed test results will be sent directly to you, and will also be accessible in the Physician Portal.



### CONTACT IGENEX

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US: (800) 832-3200 | International: +1 (650) 424-1191  
[customerservice@igenex.com](mailto:customerservice@igenex.com)  
[www.igenex.com](http://www.igenex.com)

# OUTPERFORMING OTHER LABS IN THE US AND WORLDWIDE

For over 30 years, IGeneX has been producing the industry's most effective diagnostic tests for Lyme disease and other tick-borne diseases.



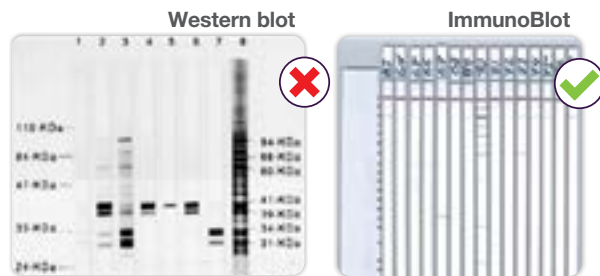
Better Results Through Better Testing.

[www.igenex.com](http://www.igenex.com)

# OUT WITH THE OLD IN WITH THE NEW

IGENEX IMMUNOBLOT REPLACES  
THE WESTERN BLOT

## THE DIFFERENCE IS CLEAR



Western blots are blurry, difficult to read, and lead to misdiagnosis. ImmunoBlots are clear, precise, and much easier to interpret.

## FAR BETTER THAN A COIN FLIP

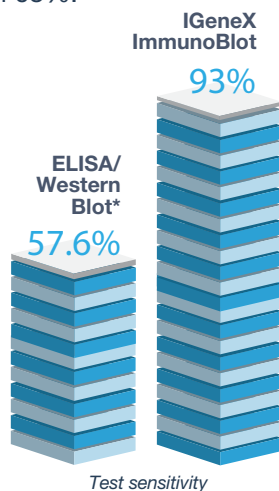
Common Lyme two-tier testing has a sensitivity of just above 50% because it detects only one *Borrelia* species. The IGeneX ImmunoBlot detects antibodies to eight different species of *Borrelia*, resulting in a sensitivity of 93%.

### STANDARD LYME TESTS

✓ *B. burgdorferi* B31

### IGENEX LYME IMMUNOBLOT

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



Test sensitivity

\* Waddell LA, et al (2016). The Accuracy of Diagnostic Tests for Lyme Disease in Humans. PLoS ONE 11(12): e0168613

# 4 REASONS TO CHOOSE IGENEX

## 1 Trusted by Doctors

IGeneX is at the forefront of diagnostic testing for Lyme disease and other infectious diseases. The company's expansive molecular and immunological test menu and technical expertise have made them the choice of many healthcare providers. Over 10,000 doctors across North America have put their trust in IGeneX to deliver timely, reliable results.



## 2 Loved by Patients

Since 1991, IGeneX has tested thousands of patients across all of the major tick-borne illnesses. Many of these patients have spent years of their lives trying to get the right diagnosis before coming to IGeneX. Our goal is to provide the most accurate and complete detection, early in the patient's journey.



## 3 Comprehensive Testing

IGeneX provides multiple direct and indirect tests for each of the major tick-borne diseases. Multi-Species ImmunoBlots, IgXSpot, BCA and IFA are indirect tests, and measure the immune system's response to an infection. PCR, cePCR and FISH are direct tests, which detect the pathogen.

DISEASE	TESTS
Lyme disease	Multi-Species ImmunoBlots, LSA, IgXSpot, IFA, PCR, LDA, BCA, cePCR
TBRF	Multi-Species ImmunoBlots, PCR, BCA, cePCR
Bartonellosis	Multi-Species ImmunoBlots, IgXSpot, IFA, FISH, PCR, cePCR
Babesiosis	Multi-Species ImmunoBlots, IFA, FISH, PCR, cePCR
Rickettsiosis	IFA, PCR, cePCR
Ehrlichiosis	IFA, PCR, cePCR
Anaplasmosis	IFA, PCR, cePCR

## 4 Fully Licensed

IGeneX is certified by CLIA to perform high-complexity tests 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.



Clinical  
Laboratory  
Improvements  
Amendments



New York