

# Does this Child have Lyme Disease?

Get an answer before waiting for symptoms to appear



## IgXSpot

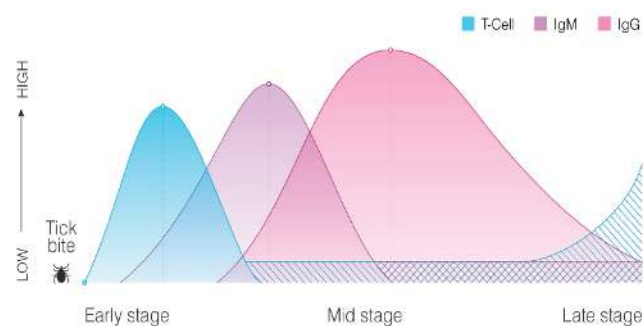
### Detecting early stage Lyme disease

Most tests for *Borrelia burgdorferi*, the causative agent of Lyme disease, look for an antibody response to the bacteria that develops after 2 – 4 weeks. Unfortunately, symptoms associated with Lyme disease, such as muscle pain, fever, exhaustion and headaches, can also develop during this time. For most parents, waiting for a proper diagnosis is not an acceptable course of action.

#### INTRODUCING THE IgXSpot TEST

The IgXSpot test from IGeneX can detect Lyme disease in its early stages, before an antibody response develops and before symptoms appear. The test works by measuring T-cell activity from a patient blood sample when stimulated with specific antigens purified from the pathogens. This test catches the disease at the stage that it can be treated most effectively with antibiotics, and when standard antibody tests are not reliable.

#### T-Cell and Antibody Response



T-cells react soon after infection, while IgM and IgG antibodies take longer to respond. This is why the IgXSpot test is effective for early-stage Lyme disease detection.

A small percentage of patients produce T-cells during the middle stage, with a spike in the late stage of the disease.  
A small percentage of patients produce IgM antibodies throughout the entire stages of the disease.

#### BENEFITS OF IgXSpot

- Detects T-cell activity early on after exposure to *Borrelia*
- Effective for seronegative patients (those that do not produce antibodies)
- Allows patients to start treatment earlier. Especially patients with no EM rash.

#### WHEN TO USE IgXSpot

- A patient thinks he or she has been bitten by a tick
- A rash begins to develop, which may turn into an Erythema Migrans, which is the bullseye-shaped rash common to Lyme disease
- For kids who spend considerable time outdoors where ticks are present
- After 3 - 4 weeks, we recommend ImmunoBlots instead of IgXSpot

Contact IGeneX today to see how you can begin offering the IgXSpot test to your patients.