



Lyme IgXSpot

PURPOSE

This test is recommended for detection of very early and/or late detection of *B. burgdorferi* infection. For diagnostic purposes, the IgXSpot test results should be used in conjunction with clinical symptoms and other evidence available to the diagnosing physician.

PRINCIPLE

The *B. burgdorferi* IgXSpot is an Enzyme-Linked ImmunoSpot (ELISPOT) assay that detects human T cells reactive to *B. burgdorferi* specific antigens in vitro. ELISPOT is a widely used method for detecting and monitoring cellular immune responses to specific antigens. The IgXSpot assay allows visualization of the secretory product(s) of individual activated or responding cells to *B. burgdorferi* specific antigens. Each spot that develops in the assay represents a single reactive cell. This test is recommended for detection of very early and/or late *B. burgdorferi* infection.

ADVANTAGES

- Detects specific T-cell responses soon after infection, when antibodies to the organisms are not detectable or late in the disease when the levels of antibodies are very low
- When combined with Western Blot tests, provides information on the full spectrum of patient's immune response to infection and stage of disease.
- Especially useful for seronegative patients

INCLUDED ANTIGENS

B. burgdorferi specific antigens

SAMPLE REQUIREMENT: 6ml heparin tube
TEST NUMBER: 300* – Lyme IGXSpot
CPT CODE: 86352

*Tests/Panels not available for NY Residents

Sample must be received within 48 hours of collection.