



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.