



# Bartonella IgXSpot

## PURPOSE

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

## PRINCIPLE

The Bartonella IgXSpot test is an Enzyme-Linked ImmunoSpot (ELISPOT) assay that detect human T cells reactive to *Bartonella* specific antigens in vitro. ELISPOT is a widely used method for detecting and monitoring cellular immune response to specific antigens. The IgXSpot assay allows visualization of the secretory product(s) of individual activated or responding T cells to Bartonella specific antigens which include *Bartonella henselae*, *B. quintana*, *B. elizabethae* and *B. vinsonii*. Each spot that develops in the assay represents a single reactive cell.

## PERFORMANCE CHARACTERISTICS

Based on a study performed on 48 well-characterized clinical samples, the Bartonella IgXSpot test has excellent specificity and the following species have been detected: *B. henselae*, *B. quintana*, *B. elizabethae* and *B. vinsonii*.

## ADVANTAGES

- Detects specific T cell responses soon after *Bartonella* 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. henselae*, *B. quintana*, *B. elizabethae* and *B. vinsonii*.

SAMPLE REQUIREMENT: 6ml heparin tube  
TEST NUMBER: 350\* – Bartonella IGXSpot  
CPT CODE: 86352

\*Tests/Panels not available for NY Residents

**Sample must be received within 48 hours of collection.**