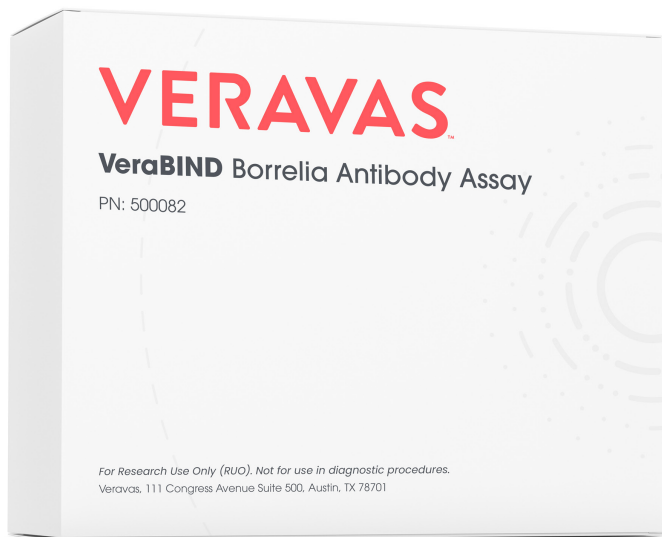


VeraBIND Borrelia Antibody Assay (RUO)

The VeraBIND™ Borrelia Antibody Assay (RUO) is a state-of-the-art, bead-based fluorescent immunoassay designed for the multiplex detection of total IgG, IgM, and IgA antibodies against *Borrelia burgdorferi* in serum, plasma, saliva, or saline oral rinse samples. This semi-automated assay provides precise detection and quantification, making it an essential tool for researchers studying Lyme disease and related immunological responses.



Applications:

Lyme Disease Research:

Provides valuable data for studying the presence and persistence of antibodies following *Borrelia burgdorferi* infection.

Immunology Studies:

Ideal for research into the immune responses associated with Lyme disease and other tick-borne illnesses.

Assay Development:

Supports the development of new, highly sensitive assays for detecting antibodies against *Borrelia burgdorferi*.

Key Features:

Multiplex Detection:

Simultaneously detects total IgG, IgM, and IgA antibodies against *Borrelia burgdorferi*, offering comprehensive insights into immune responses.

Advanced Interference Removal:

Utilizes proprietary VeraBIND™ Clean Beads to efficiently remove a wide range of endogenous human immunoglobulin interferences, ensuring cleaner samples and more accurate results.

Quantitative Analysis:

The optional VeraBIND Triplex Antibody Calibrator Set enables the precise quantification of IgG, IgM, and IgA antibodies, enhancing the depth and reliability of your research.

High Sensitivity and Specificity:

Demonstrated to deliver 100% sensitivity and specificity for detecting *Borrelia burgdorferi* antibodies, ensuring the highest level of accuracy in your studies.

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How It Works:

Sample Cleaning:

Serum, plasma, saliva, or saline oral rinse samples are treated with VeraBIND Clean Beads to remove non-specific immunoglobulins and other interferences.

Antibody Capture:

The cleaned samples are incubated with Borrelia antigen-coated VeraBIND Capture Beads, which specifically capture antibodies against Borrelia burgdorferi.

Detection and Measurement:

After washing, the captured antibodies are detected using a triplex fluorescent conjugate. The results can be quantified using the optional Triplex Antibody Calibrator Set.

Kit Includes:

- VeraBIND™ Clean Beads
- 25X Wash Buffer
- Phosphate Buffer Saline
- Triplex Conjugate
- Elution Buffer
- Neutralization Buffer
- Borrelia Antigen-Coated VeraBIND Capture Beads

Materials Required But Not Provided:

- BioPlex 2200 Lyme Total Control Set
- Vortex mixer, laboratory rocker, multi-channel pipettes, well plates, plate magnets, fluorescent reader.
- Optional: VeraBIND Triplex Antibody Calibrator Set (Part Number 400092)

Ordering Information:

Product Name:

VeraBIND™ Borrelia Antibody Assay

Catalog Number:

500082

Regulatory Status:

For Research Use Only.

Not for use in diagnostic procedures.

Veravas products are distributed globally, so uses, applications, and availability of product in each country depend on local regulatory marketing authorization status. Specifications, terms, and pricing are subject to change.