



# **Tickborne Diseases Test: Are You At Risk?**

Tickborne diseases are rising throughout the US from a variety of ticks, which carry and pass on different microorganisms to humans and animals. Tickborne diseases have more than doubled in 13 years and represent 77% of all vector-borne disease reports. Lyme disease accounts for 82% of all cases.



# **Tickborne Diseases: Know The Symptoms**

## **Do You Struggle From These Symptoms?**

- Fever
- Chills
- Headache
- Bell's palsy
- Neck stiffness
- Fatigue
- Muscle or joint aches and pains
- GI symptoms such as nausea, vomiting, diarrhea
- Change in cognitive or psychological status
- Appetite loss
- Weight loss
- Anemia
- Enlarged, tender lymph nodes
- Rash
- Painful abdomen
- Dizziness or shortness of breath
- Numbness or weakness in the limbs



# Tickborne Diseases Test: Are You At Risk?

## Why Is This Important

- Recent research reveals that the standard two-tier testing recommended by the CDC can lead to false positive or false negative results. In fact, the ELISA and Western blot tests can miss up to 60% of well-defined Lyme disease cases.
- Lyme disease symptoms mimic other diseases, leading to delayed or misdiagnosis.
- Standard treatments for tickborne diseases typically involve prolonged courses of antibiotics, leaving patients at risk for multiple chronic inflammatory symptoms or conditions.
- The Vibrant Tickborne Panel runs on first-of-its-kind silicon microarray technology and chemiluminescence detection to deliver high sensitivity and specificity.
- Our proprietary technology tests antibodies (*indirect*) and DNA (*direct*) for the most comprehensive Lyme and co-infection detection.



## Testing: Lyme Plus TBRF (IgG & IgM)

## Lyme Plus TBRF (IgG & IgM)

- *Borrelia burgdorferi* C6 peptide
- *Borrelia burgdorferi* p18 (DbpB)
- *Borrelia burgdorferi* p23-25 (OspC)
- *Borrelia burgdorferi* p28
- *Borrelia burgdorferi* p30
- *Borrelia burgdorferi* p31 (OspA)
- *Borrelia burgdorferi* p34 (OspB)
- *Borrelia burgdorferi* p39 (BmpA)
- *Borrelia burgdorferi* p41
- *Borrelia burgdorferi* p45
- *Borrelia burgdorferi* p58
- *Borrelia burgdorferi* p66
- *Borrelia burgdorferi* p83-93
- *Borrelia burgdoferi* B31 WCS
- *Borrelia burgdoferi* 297 WCS
- *Borrelia mayonii*
- *Borrelia afzelii* BmpA
- *Borrelia afzelii* DbpA
- *Borrelia afzelii* OspA
- *Borrelia turicatae*
- *Borrelia miyamotoi*
- *Borrelia andersonii*
- *Borrelia maritima*
- *Borrelia californiensis*
- *Borrelia bissettiae*
- *Borrelia lusitaniae*
- *Borrelia valaisiana*
- *Borrelia yangtzensis*
- *Borrelia turcica*
- *Borrelia afzelii* OspC
- *Borrelia afzelii* p100
- *Borrelia garinii* DbpA
- *Borrelia garinii* OspC
- *Borrelia bavariensis* DbpA
- *Borrelia bavariensis* p58
- *Borrelia bavariensis* VlsE1
- *Borrelia spielmanii* DbpA
- *Borrelia spielmanii* OspC
- *Borrelia hermsii*



## Testing: Lyme plus TBRF (PCR)

## Lyme Plus TBRF (PCR)

- *Borrelia burgdorferi*
- *Borrelia mayonii*
- *Borrelia afzelii*
- *Borrelia garinii*
- *Borrelia bavariensis*
- *Borrelia spielmanii*
- *Borrelia hermsii*
- *Borrelia turicatae*
- *Borrelia lonestari*



## Testing: Coinfections 1 (IgG & IgM)

## Coinfections 1 (IgG & IgM)

- Babesia microti IRA
- Babesia microti p32
- Babesia microti p41
- Babesia microti WCS
- Babesia duncani
- Bartonella henselae 17 kDa
- Bartonella henselae 26 kDa
- Bartonella henselae SucB
- Bartonella elizabethae
- Bartonella vinsonii
- Bartonella quintana
- Anaplasma phagocytophilum Msp5
- Anaplasma phagocytophilum Msp2 (p44)
- Anaplasma phagocytophilum OmpA
- Ehrlichia chaffeensis



## Testing: Coinfections 1 (PCR)

## Coinfections 1 (PCR)

- Babesia microti
- Babesia duncani
- Bartonella henselae
- Bartonella elizabethae
- Bartonella vinsonii
- Bartonella quintana
- HGA Anaplasma phagocytophilum
- HME Ehrlichia chaffeensis



## Testing: Coinfections 2 (IgG & IgM)

## Coinfections 2 (IgG & IgM)

- Rickettsia typhi OmpB
- Rickettsia typhi Surface antigen
- Powassan Virus
- Tickborne Encephalitis Virus
- West Nile Virus
- Chlamydophila pneumoniae
- Coxsackie Virus
- Mycoplasma pneumoniae



## Testing: Coinfections 2 (PCR)

## Coinfections 2 (PCR)

- Rickettsia rickettsii
- Rickettsia typhi
- Powassan virus
- Tickborne Encephalitis Virus
- West Nile Virus
- Chlamydophila pneumoniae
- Coxsackie virus
- Mycoplasma pneumoniae



## Testing: Opportunistic Infections (IgG & IgM)

# Opportunistic Infections (IgG & IgM)

- Cytomegalovirus EIA Antigen
- Cytomegalovirus GlyB
- Cytomegalovirus p150
- Cytomegalovirus p28
- Cytomegalovirus p52
- Cytomegalovirus p65
- Cytomegalovirus p38
- Epstein Barr Virus EA Antigen
- Epstein Barr Virus EBNA1
- Epstein Barr Virus VCA gp125
- Epstein Barr Virus p18
- Epstein Barr Virus p23
- Parvovirus B19 VLP VP2
- Parvovirus B19 VLP VP1/Vp2 Co Capsid
- Toxoplasma gondii Crude Extract
- Toxoplasma gondii MIC3
- Toxoplasma gondii p24
- Toxoplasma gondii p29
- Toxoplasma gondii p30
- HSV-1
- HSV-2
- HHV-6
- HHV-7
- Streptococcal A



## Testing: Opportunistic Infections (PCR)

# Opportunistic Infections (PCR)

Parvovirus B19  
• Toxoplasma gondii



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Schedule An Appointment**

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**Cost For Labs & Results  
\$1295**

For A Detailed Discussion &  
Treatment Plan, Schedule An  
Appointment With A Provider

*You Do Not Need To Be An Established Patient  
To Order a Vibrant Tickborne Illness Test*



## Regulatory Statement From Vibrant

Vibrant testing does not demonstrate absolute positive and negative predictive values for any disease state or condition. Its clinical utility has not been fully established. Vibrant validates the accuracy and precision of the testing but not of its clinical or diagnostic value. So these tests are for wellness and informational purpose only. Vibrant is actively doing clinical research on these samples, de-identified from patients under an IRB and will make research publications towards the same as and when the clinical utility is well established. These tests have been laboratory developed and their performance characteristics determined by Vibrant America LLC, a CLIA-certified laboratory performing the test CLIA#:05D2078809. The test has not been cleared or approved by the U.S. Food and Drug Administration (FDA). Although FDA does not currently clear or approve laboratory-developed tests in the U.S., certification of the laboratory is required under CLIA to ensure the quality and validity of the tests. The general wellness test intended uses relate to sustaining or offering general improvement to functions associated with a general state of health while making reference to diseases or conditions. Content provided for informational purposes only and should not be construed as medical advice. Content provided to help you make healthy lifestyle, dietary, and treatment choices in consultation with your healthcare provider. It is intended to be used as a tool to encourage a general state of health and well-being. Please consult with your healthcare practitioner for diagnosis and treatment considerations.

*This test is not available in NY.*