

Dr. Tom's List of labs that might be considered in the workup of suspected TBD

Unless otherwise noted, these labs are collected at a local lab

updated 10/2017

Test Name
Imugen borrelia miyamotoi serology
Igenex Lyme western blot IgM/IgG
Babesia microti (IgG, IgM)
Anaplasma phagocytophilum Antibodies (IgG, IgM)
Ehrlichia chaffeensis (IgG, IgM)
WA-1 IgG AB, IFA (Babesia duncani) (IgG & IgM can be ordered through Igenex)
Bartonella henselae IgG/IgM (performed at Quest Valencia aka Specialty lab)
Bartonella henselae IgG/IgM (can also be performed at Igenex and Galaxy)
Rickettsia (RMSF) IgG, IgM, W/REFL to Titers
Rickettsia (Typhus Fever) Antibodies
Q Fever (Coxiella Burnetii) Antibodies (IgG, IgM) with Reflex to Titers
Brucella AB (IgG, IgM) W/ REFL to Agglutination
Francisella tularensis IgG/IgM
Mycoplasma Pneumoniae Antibodies (IgG, IgM), EIA
Chlamydophila Pneumoniae AB (IgG, IgA, IgM)
Immunoglobulin A
Immunoglobulin G Subclasses Panel
Immunoglobulin M
Candida Albicans AB (IgA, IgG, IgM)

Eosinophil Cationic Protein
Streptozyme Screen with Reflex to Titer
DNASE B Antibody
Anti-Streptolysin O Screen Reflex Titer
C4a level (performed at National Jewish Medical Center)
Epstein Barr antibody panel and early antigen antibody
Cytomegalovirus IgG/IgM
Human Herpes Virus 6 IgG/IgM
PCR testing for tick borne illnesses are less frequently ordered, but can be done through Milford Lab (dnalymetest.com), Clongen or Igenex, amongst others
Armin Labs EliSpot Lyme T-cell test (also available for Bartonella, Babesia and many other tick-borne diseases)
Igenex offers RNA Fluorescent In-Situ Hybridization (FISH) testing for Babesia sp. and Bartonella sp. These are at times necessary.

Imugen offers the following testing (see Tip 1 below)
Lyme IgA/IgG/IgM
Lyme western blot IgG and IgM (have to ask specifically for IgM)
Borrelia miyamotoi serology
Borrelia species PCR
Anaplasma serology and PCR
Ehrlichia serology and PCR
Babesia microti serology and PCR
Rickettsia antibody analysis (RMSF, Typhus, etc)
Francisella serology

Some Tips

Tip 1: Imugen is covered by Medicare and Medicaid. If the patient has insurance, out of pocket capped at \$105, irregardless of deductible, per our rep. Please verify with Imugen before ordering.

Tip 2: Order Bartonella henselae IgG/IgM through BioReference lab (#1788). They send to Quest Nichols Institute Valencia, CA. This used to be called Specialty lab and is highly accurate.

Tip 3: Yersina can cause chronic reactive arthritis. Something to consider, particularly if symptoms started with GI illness.

Tip 4: Borderline Francisella titers may be due to cross-reactive antibodies to Brucella, Yersinia, Proteus.

Tip 5: Know what pathogens are transmitted by which ticks and order labs accordingly.

Tip 6: Just because you're thinking tick-borne illness or similar infection, don't forget about the rest of medicine.

Tip 7: This is not an exhaustive list, it is a starting point. Many experienced providers will utilize other testing methods to help aid their diagnosis.

*** Please note**, this information is provided for informational purposes only. It does not constitute a recommendation for diagnosis, testing or treatment. While we strive to make sure this information is accurate, this work may contain errors and specific labs may have changed their policies or test offerings. We are not responsible for any errors or omissions. AKA, we do our very best to share relevant information with you, please understand we are human beings and, thus, are not perfect. Please apply commonsense when evaluating the potential utility of this information. Thank you.