

# Unlocking complex cases

Differentiating tick-borne diseases from autoimmune diseases with comprehensive testing

## The symptom overlap

The same vague symptoms that can make autoimmune disease difficult to identify can also make it challenging to pinpoint when tick-borne disease may be the cause. When patients present with these lookalike symptoms, our comprehensive screening panels can help you determine the cause and get more answers sooner.

<b>Chills</b> 	<b>Fatigue</b> 	<b>Fever</b> 
<b>Gastrointestinal symptoms</b> 	<b>Headache</b> 	<b>Joint pain</b> 
<b>Malaise</b> 	<b>Muscle aches, pain</b> 	<b>Skin rash</b> 

**Time matters.** If left untreated, both autoimmune and tick-borne diseases can progress rapidly, leading to worsening and potentially irreversible health effects.



### An earlier diagnosis starts with you.

For a confident diagnosis, you need the right test, at the right time. Quest offers comprehensive screening panels to help you identify and solve even the most complex cases.

## Make timely, differential diagnoses

with comprehensive screening panels from Quest



When you need lab results to help determine **tick-borne disease**

### Tick-Borne Disease, Antibody (Serology) Panel

**Test code: 36942**

CPT codes: 86666 (x4), 86753 (x3), 86618

Preferred specimen: 2 mL serum

#### Tick-Borne Disease, Antibody (Serology) Panel components

Panel components may be ordered separately.

Component test name	Test code
Lyme Disease ( <i>borrelia spp</i> ) Antibodies with Reflex to Blot (IgG, IgM)	6646
<i>Anaplasma phagocytophilum</i> Antibodies (IgG, IgM)	34464
<i>Babesia duncani</i> (WA1) Antibody (IgG), IFA	17231
<i>Babesia microti</i> Antibodies (IgG, IgM), IFA	34300
<i>Ehrlichia chaffeensis</i> Antibodies (IgG, IgM)	34271



When you need lab results to help determine **autoimmune disease**

### ANALyzer™ ANA, IFA with Reflex Titer/Pattern, Systemic Autoimmune Panel 1

**Test code: 36378**

CPT codes: 83520 (x4), 86038, 86146 (x3), 86147 (x3), 86160 (x2), 86200, 86235 (x9), 86255, 86376

Preferred specimen: 9 mL serum collected in red-top tubes (no gel)

#### ANALyzer™ ANA, IFA with Reflex Titer/Pattern, Systemic Autoimmune Panel 1 components

Panel components may be ordered separately.

Component test name	Test code(s)
ANA Screen, IFA, With Reflex to Titer and Pattern	249
Beta-2-Glycoprotein I Antibody (IgA, IgG, IgM)	36552, 36554, 36553
Cardiolipin Antibody (IgA, IgG, IgM)	4661, 4662, 4663
Centromere B Antibody	16088
Chromatin (Nucleosomal) Antibody	34088
Complement Component C3c and C4c	351, 353
Cyclic Citrullinated Peptide (CCP) Antibody (IgG)	11173
DNA (ds) Antibody, Crithidia IFA With Reflex to Titer	37092
Jo-1 Antibody	5810
Mutated Citrullinated Vimentin (MCV) Antibody	13238
Rheumatoid Factor Antibodies (IgA, IgG, IgM)	19705
RNP Antibody	19887
Scleroderma Antibody (Scl-70)	4942
Sjögren's Antibody (SS-A and SS-B)	38568, 38569
Sm Antibody	37923
Sm/RNP Antibody	38567
Thyroid Peroxidase Antibodies (TPO)	5081

Test codes may vary by location. Please contact your local laboratory for more information.

The CPT® codes provided are based on American Medical Association guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.

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