

## Tick Panel with Lyme

Order Name: **Tick Pnl Lyme**  
Test Number: 6906283  
Revision Date: 04/29/2024

TEST NAME	METHODOLOGY	LOINC CODE
Ehrlichia chaffeensis Antibody, IgM, IgG	Immunofluorescence Assay (IFA)	
Tularemia Antibody IgG/IgM	Non-viable bacterial cell agglutination assay	23125-8
Rocky Mountain Spotted Fever (RMSF) IgG, IgM	Immunofluorescence Assay (IFA)	
Lyme Antibody IgG and IgM	Chemiluminescence Assay	

SPECIMEN REQUIREMENTS				
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	<b>4 mL</b>	<b>Serum</b>	<b>Clot Activator SST</b>	<b>Refrigerated or Frozen</b>
<b>Instructions</b>	Allow 15-30 minutes for specimen to clot, then Separate serum or plasma from cells ASAP or within 2 hours of collection. Specimen Stability: Room Temperature: Unacceptable, Refrigerated: 2 Weeks, Frozen 30 Days			

GENERAL INFORMATION	
Testing Schedule	Assay Dependant
Expected TAT	3-5 Days
<b>Clinical Use</b>	<p><b>E. chaffeensis</b> - A tick-borne disease common to the OK/ARK/MO/KS area. Peak titers will occur at 6 weeks after onset. Only 22% will be positive after 1 week, 68% after 2 weeks and 100% after 4 weeks.</p> <p><b>Rocky Mountain Spotted Fever</b> - To assist in the diagnosis of RMSF. Patients may not seroconvert until 10 days after onset of illness.</p> <p><b>Tularemia Antibody</b> - Diagnosis of exposure to Francisella tularensis.</p> <p><b>Lyme Antibody</b> - All positives or borderline results are confirmed with western blot. Serology may not be positive until 2-4 weeks after onset of erythema migrans.</p>
<b>Notes</b>	<p>If the Lyme Antibody Interpretation is either Equivocal or Positive a Lyme Disease(Borrelia burgdorferi IgG,IgM) Western Blot will be performed for confirmation at an additional cost.</p> <p><b>Order Code: [5586925] Lyme IgG, IgM Abs by Western Blot</b></p> <p><b>Result Code: [5581350] Lyme IgG by WB, LOINC: 6320-6</b></p> <p><b>Result Code: [5581400] Lyme IgM by WB, LOINC: 6321-4</b></p>
CPT Code(s)	86666x2, 86668x2, 86757x2, 86618 (add 86617x2 if Reflex for Lyme Western Blot)
Lab Section	Immunology - Serology