

## Tick Panel with Lyme

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

| TEST NAME   | METHODOLOGY                                   | LOINC CODE |
|---|---|------------|
| <b>Ehrlichia chaffeensis Antibody, IgM, IgG</b>     | Immunofluorescence Assay (IFA)                |            |
| <b>Tularemia Antibody IgG/IgM</b>                   | Non-viable bacterial cell agglutination assay | 23125-8    |
| <b>Rocky Mountain Spotted Fever (RMSF) IgG, IgM</b> | Immunofluorescence Assay (IFA)                |            |
| <b>Lyme Antibody IgG and IgM</b>                    | 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.<br>Specimen Stability: Room Temperature: Unacceptable, Refrigerated: 2 Weeks, Frozen 30 Days |               |                           |                               |

| GENERAL INFORMATION     |  |
|-------------------------|--|
| <b>Testing Schedule</b> | Assay Dependant  |
| <b>Expected TAT</b>     | 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>   |
| <b>CPT Code(s)</b>      | 86666x2, 86668x2, 86757x2, 86618 (add 86617x2 if Reflex for Lyme Western Blot)   |
| <b>Lab Section</b>      | Immunology - Serology  |