MAYO CLINIC LABORATORIES

NEW TEST

Notification Date: November 15, 2022
Effective Date: December 20, 2022

Tick-Borne Panel, Molecular Detection, PCR, Blood

Test ID: TIKLB

Useful for:

Evaluating patients with suspected human monocytic ehrlichiosis, human granulocytic anaplasmosis, babesiosis, or *Borrelia miyamotoi* infection.

Evaluating patients with a history of, or suspected, tick exposure who are presenting with fever, myalgia, headache, nausea, and other nonspecific symptoms.

This test should **not** be used to screen healthy patients.

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
BABPB	Babesia species PCR, B	Yes	Yes
EPCRB	Ehrlichia/Anaplasma, PCR, B	Yes	Yes
BMIPB	Borrelia miyamotoi Detection, PCR, B	Yes	Yes

Methods:

Real-Time Polymerase Chain Reaction (PCR)/DNA Probe Hybridization

Reference Values:

Babesia Species, Molecular Detection, PCR - Negative

Ehrlichia/Anaplasma, Molecular Detection, PCR - Negative

Borrelia Miyamotoi, Molecular Detection, PCR - Negative

Reference values apply to all ages.

Specimen Requirements:

Container/Tube:	Lavender top (EDTA)
Specimen Volume:	1 mL
Collection Instructions:	1. Invert several times to mix blood 2. Send whole blood specimen in original tube. Do not aliquot.
Minimum Volume:	0.3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Whole Blood EDTA	Refrigerated	7 days

Cautions:

This panel does not detect *Borrelia burgdorferi* or *Borrelia mayonii*, the causative agents of Lyme disease in the United States. While Lyme polymerase chain reaction testing (PBORB / Lyme Disease [*Borrelia burgdorferi*], Molecular Detection, PCR, Blood) can be useful for detecting acute infection with *B mayonii*, this organism has a limited geographic distribution (upper Midwestern United States) and is therefore not included in this panel. Serology is the preferred method for detection of *B burgdorferi*.

For more information, see the individual test IDs.

CPT Code:

87798 x 8

Day(s) Performed: Monday through Saturday **Report Available:** 1 to 4 days

Questions

Contact James Conn, Laboratory Technologist Resource Coordinator at 800-533-1710.