

Official Lab Analysis

Order TD-91077

Tested specimen:

- Adult female deer tick (*Ixodes scapularis*) unengorged with blood. If attached, it was likely not attached for more than 7 hours, based on its body size.

Tick specimen TD-91077 tested positive for the presence of *Babesia* general species and *Babesia odocoilei*. It tested negative for the presence of *Borrelia burgdorferi*, *Anaplasma phagocytophilum*, *Babesia microti*, *Bartonella* general species, *Ehrlichia chaffeensis*, *Francisella tularensis*, *Borrelia miyamotoi*, *Borrelia lonestari*, *Bartonella henselae*, *Borrelia* general species, Powassan virus General, *Borrelia mayonii*, *Ehrlichia ewingii*, *Rickettsia amblyommii*, *Babesia duncani*, *Rickettsia rickettsii*, *Ehrlichia muris-like*, *Ehrlichia* general species, *Anaplasma* general species, *Ehrlichia canis*, Panola Mountain *Ehrlichia*, *Rickettsia montanensis*, *Anaplasma phagocytophilum* - Deer Variant, *Anaplasma phagocytophilum* - Human Active, Powassan virus Lineage II, Powassan virus Lineage I, and *Rickettsia parkeri*.

Pathogen Testing Breakdown:

Pathogen	Associated Disease	Pathogen Presence
<i>Borrelia burgdorferi</i>	Lyme disease	NEGATIVE
<i>Anaplasma phagocytophilum</i>	anaplasmosis	NEGATIVE
<i>Babesia microti</i>	babesiosis	NEGATIVE
<i>Bartonella</i> general species	bartonellosis	NEGATIVE
<i>Ehrlichia chaffeensis</i>	human monocytic ehrlichiosis	NEGATIVE
<i>Francisella tularensis</i>	tularemia	NEGATIVE
<i>Borrelia miyamotoi</i>	B. miyamotoi	NEGATIVE
<i>Borrelia lonestari</i>	southern tick-associated rash illness	NEGATIVE
<i>Babesia</i> general species	babesiosis	POSITIVE
<i>Bartonella henselae</i>	cat-scratch disease	NEGATIVE
<i>Borrelia</i> general species	<i>Borrelia</i> spp.	NEGATIVE
Powassan virus General	Powassan virus General	NEGATIVE
<i>Borrelia mayonii</i>	Lyme disease	NEGATIVE
<i>Ehrlichia ewingii</i>	human monocytic ehrlichiosis	NEGATIVE
<i>Rickettsia amblyommii</i>	Rocky Mountain spotted fever	NEGATIVE
<i>Babesia duncani</i>	babesiosis	NEGATIVE

Rickettsia rickettsii	Rocky Mountain spotted fever	NEGATIVE
Ehrlichia muris-like	human monocytic ehrlichiosis	NEGATIVE
Ehrlichia general species	Ehrlichia spp.	NEGATIVE
Anaplasma general species	Anaplasma spp.	NEGATIVE
Babesia odocoilei	Babesia odocoilei	POSITIVE
Ehrlichia canis	Ehrlichia canis	NEGATIVE
Panola Mountain Ehrlichia	Panola Mountain Ehrlichia	NEGATIVE
Rickettsia montanensis	Rickettsia montanensis	NEGATIVE
Anaplasma phagocytophilum - Deer Variant	non-human anaplasmosis	NEGATIVE
Anaplasma phagocytophilum - Human Active	anaplasmosis	NEGATIVE
Powassan virus Lineage II	Deer Tick Virus	NEGATIVE
Powassan virus Lineage I	Powassan virus Lineage I	NEGATIVE
Rickettsia parkeri	Rickettsia parkeri	NEGATIVE

PCR test results were reported by the Northeast Wildlife DNA Laboratory on 09/13/2024 at 5:19 PM.

A positive tick test does not necessarily mean that the disease was successfully transmitted from the tick to the host. Please consult with a medical professional concerning diagnosis and treatment options.

Report results are provided by the Northeast Wildlife DNA Laboratory in accordance with their standard procedures, terms and conditions. The test result for infectious agent screen does not rule out or confirm the presence of the agent or exposure to the patient. The result is intended to provide you and your physician or veterinarian with important information, when combined with other information, to help determine risk of exposure and subsequent clinical treatment and follow-up.

We keep your tick specimen's DNA on file for two years. To request additional disease tests at any time, call TickLab at 570-422-7892 or email wildlifedna@esu.edu.