

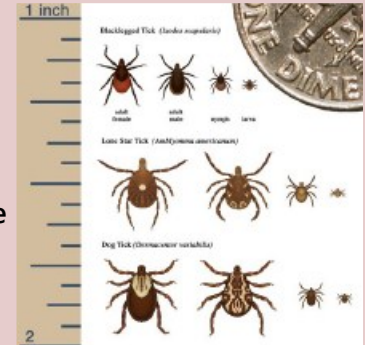
# The Laboratory for the Diagnosis of Lyme Disease



Stony Brook Medicine  
Lyme Disease Laboratory  
101 Nicolls Road  
Level 3 Room 508  
Stony Brook, NY 11794-7300

Results: 631-444-3824  
FAX: 631-444-7526  
Billing Customer Service:  
631-444-4151

**Blacklegged Deer Ticks** (*Ixodes scapularis*) typically transmit Lyme disease, anaplasmosis and babesiosis. Lyme disease is caused by the bacterium *Borrelia burgdorferi*. A characteristic sign of Lyme disease is a red circular rash (bull's-eye rash) that may appear a few days to a month, at the site of the bite, after being bitten by an infected tick. Multiple rashes may develop. About 60-80% of people who get Lyme disease develop a bull's-eye rash. Flu-like symptoms, such as fever, headache, fatigue, stiff neck and muscle/joint pain, are also common in early Lyme disease.



If left untreated, Lyme disease can cause complications such as recurring swollen and painful joints, temporary facial paralysis or heart problems. Be sure to seek medical attention if you become ill after a tick bite. Generally, an evaluation of symptoms and blood tests will be used in making a diagnosis. Most tick-borne disease patients respond well to appropriate antibiotic therapy. Prompt diagnosis and treatment improves outcome. Your physician will choose the medicine that is best for you.

The Laboratory for the Diagnosis of Lyme Disease was established in 1984 as a division of the Clinical Immunology Laboratory in the Department of Pathology at Stony Brook University School of Medicine. The laboratory gained recognition in the diagnosis of Lyme disease as being one of the select laboratories where accurate laboratory testing for Lyme disease could be obtained. This reputation has resulted in a large number of specimens being received world wide for testing. Despite this large volume, the laboratory takes pride in providing a high level of technical expertise and personal care to its clients. The laboratory is fully licensed and accredited by the NY State Department of Health, JCAHO, and the College of American Pathologists (CAP).



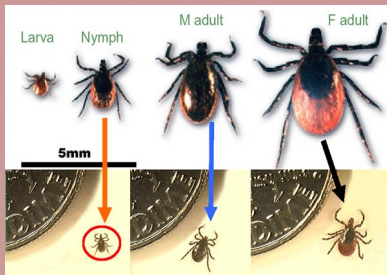
**Amblyomma American**  
(Lone Star Tick)



**Dermacentor variabilis**  
(American Dog Tick)



**Ixodes Scapularis**  
(Deer Tick)



**Haemaphysalis longicornis**  
(Asian Longhorned Tick)



Medicaid- 003-57795-03  
Medicare- 33-3039-3  
CLIA- 33D0654233  
NYSDOH- 23365151M010  
CAP- 12559-01  
HHS (HCFA)- 33-L047  
CDC Interstate- FD 31-1136  
NPI#- 1972523348  
Outpatient Federal Tax ID #- 113243405

#### A. Lyme Modified Two-Tiered Test (MTTT)

ZEUS ELISA B. burgdorferi EIA 1st Tier (Dual peptide VlsE1/pepC10 IgG/IgM w/reflex to 2nd Tier IgG & IgM Whole Cell Sonicate EIA

(Serum minimum volume 0.5 ml)

VlsE1/pepC10 (1st Tier) \$357 CPT Code 86618

Reflex IgG & IgM EIA (\*2nd Tier) \$436 CPT Code 86617 x 2

\*Note: 2<sup>nd</sup> Tier test will be performed only when the 1<sup>st</sup> Tier test result is Equivocal or Positive, then additional charges will be applied.

#### B. Lyme Immunoblot

IgM & IgG \$436 CPT Code 86617 x 2

#### C. Tick Identification \$117 CPT Code 87168

Prices are current as of 3/11/26, prices are subject to change without notice.

Please call our Billing Office at 631-444-4151 to discuss individual insurance coverage or contact your insurance provider.

*Please note: It is a requirement for the patient/guardian to sign the back of the requisition form, testing will not begin until this is provided.*

Results are available within 1-2 days of receipt of specimen. Results are reported with an interpretation by fax or mail. Results are available at 631-444-3824 Monday-Friday 8:00 a.m. to 4:30 p.m. (EST).

#### Sample Tube, Specimen and Shipping Requirements

All sample tubes MUST be labelled with:

1. Patient's Full Name
2. Patient's Date of Birth or another identifier unique to the patient (Medical Record #, ID#). Tubes not labelled accordingly will not be tested nor will they be returned.

#### Specimen Requirements

- Our testing requires serum, all blood tubes must be spun down and the serum separated from the clot before transporting to our lab and labelled with the First/Last name and date of birth.
- When removing the serum sample into a pour-off tube, a screw cap with a leak proof seal is recommended.
- Serum separator (SST) and gold top tubes can be shipped directly once the tube has been centrifuged and the serum has been separated from the clot. Red top tubes are also acceptable but *must be spun* and the serum portion sent.



Mouthparts of a Deer Tick



Deer Tick  
*Ixodes scapularis*



- Specimens can be shipped at room temperature as long as they arrive in approximately 2-3 days. If warm temperatures are anticipated during transport a cold pack or dry ice can be used. We are not open for delivery over the weekend so we suggest you ship within a time frame that will allow the specimen to arrive by Friday.
- Ticks can be shipped in a "ZIP-LOCK" plastic bag in a mailing envelope. Place a small piece of wet paper towel in the bag for moisture. Add protection to prevent the tick from being crushed if needed. There is a fee associated with a Tick Report and it is considered an orderable test by your physician. Please call 631-444-3824 if you have any further questions regarding tick identification.

### Shipping Methods

Our lab utilizes UPS for shipping. We supply free of charge, postage paid, self addressed shipping containers. The shipping containers meets UN3373 Biological Substance Category B and IATA shipping regulations. Doctor's office's, lab's and hospital's can request containers by calling 631-444-3824. Patients must obtain shipping materials through their health care provider, we can not ship directly to the patient. Please note: We do not pay for any pickup fee that UPS may charge if you call to have a specimen pickup. The kit must be taken to a UPS pickup location or given to the UPS driver during a routine office pickup. Specimens can be sent by other shipping companies as long as they arrive within approximately two days and are shipped in an approved IATA package and labeled "Biological Substance Category B (UN 3373)". Packaging does not require biohazard labels. The lab is not open over the weekend to receive shipments, please refrigerate samples until they can be shipped to arrive during the week.

Shipping supplies are for the shipment to our laboratory and should not be used for any other shipment. Please note: *Specimen containers do not contain any blood drawing supplies.*

**QA/QC:** Our system performs a delta check on every patient sample when the results are entered. Disparate samples are repeated to confirm results. In addition, all worksheets and instrumentation print outs are reviewed daily by the Section Supervisor.

Lot to lot comparisons are performed with known specimens for every lot change of every component of the assays.

**Proficiency:** We participate in the CAP Proficiency Testing program for Lyme Disease testing, Linearity Verification Survey, Instrumentation Survey as well as a TICK assessment survey.

I hope that the information provided answers all of your questions. If you should have any further questions or require any additional information please feel free to call Monday-Friday 8:00 a.m. to 4:30 p.m. EST (631) 444-3824. We are looking forward to serving your laboratory needs for Lyme Disease testing.

Sincerely,

**Cathy De Luca**

Cathy De Luca MT (ASCP)  
Laboratory Supervisor  
Laboratory for the Diagnosis of Lyme Disease

