



Research, Education,  
Prevention, & Patient support

## **Lyme Disease Association, Inc.**

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### **Tick Removal**

- Do not burn or use any substance on tick.
- Do not grasp, squeeze or twist body of tick.
- Grasp tick close to skin with tweezers.
- Pull tick straight out.
- Use antiseptic on skin.
- Disinfect hands thoroughly.

Always see a physician for possible diagnosis, testing and treatment, especially if tick parts remain after removal.

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Thanks to: IGeneX Labs  
797 San Antonio Rd.  
PaloAlto, CA 94303  
800.832.3200 [www.igenex.com](http://www.igenex.com)

## Tick Identification Guide

### *Ixodes scapularis* (includes deer tick)

Transmits agents of: Lyme, babesiosis, ehrlichiosis, Powassan encephalitis.  
Possibly transmits: tick paralysis, tularemia, bartonella.



Nymph



Male



Female



Larvae

Actual Size



Nymph



Adult

### *Amblyomma americanum* (includes lone star)

Transmits agents of: ehrlichiosis, Lyme or Lymelike illness, tularemia. Possibly transmits: tick paralysis, Rocky Mt. spotted fever.



Nymph



Male



Female



Larvae

Actual Size



Nymph



Adult

### *Dermacentor variabilis* (includes American dog tick and wood tick)

Transmits agents of Rocky Mt. spotted fever, tularemia. Possibly transmits: ehrlichiosis. Although a small percentage of dog ticks carry the Lyme bacteria, no transmission has been proven.



Male



Female



Larvae

Actual Size



Nymph



Adult