

***Ixodes pacificus* Nymph**

**Catalog No. NR-44387**

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**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

CDC, Atlanta, Georgia, USA

**Product Description:**

Classification: *Ixodidae*, *Ixodes*

Species: *Ixodes pacificus* (common name: western black-legged tick)

Original Source: *Ixodes pacificus* (*I. pacificus*) ticks were flagged from vegetation in 2000 in California, USA.<sup>1</sup>

Transmission Competent Pathogens: *Anaplasma phagocytophilum* and *Borrelia burgdorferi*

Comments: This *I. pacificus* colony may contain rickettsial endosymbionts.<sup>1</sup>

**Material Provided:**

NR-44387 contains a live wild-type *I. pacificus* nymph.

Note: *I. pacificus* can also be obtained in adult (NR-44385) or larval forms (NR-44386).

**Packaging/Storage:**

NR-44387 is prepared and shipped by the CDC. The product is provided at room temperature and should be placed in an incubator or used immediately.

**Growth Conditions:**

All *I. pacificus* life stages are fed on New Zealand White rabbits. The contributor recommends standardized laboratory conditions for the maintenance of ticks.<sup>2</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was deposited by the Centers for Disease Control and Prevention and obtained through BEI Resources, NIAID, NIH: *Ixodes pacificus* Nymph, NR-44387.”

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Levin, M. L., Personal Communication.
2. Troughton, D. R. and M. L. Levin. “Life Cycles of Seven Ixodid Tick Species (Acari: *Ixodidae*) Under Standardized Laboratory Conditions.” *J. Med. Entomol.* 44 (2007): 732-740. PubMed: 17915502.

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