

***Ixodes pacificus* Larvae**

Catalog No. NR-44386

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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.¹

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

Comments: This *I. pacificus* colony may contain rickettsial endosymbionts.¹

Material Provided:

NR-44386 contains a live, wild-type *I. pacificus* larval batch.

Note: *I. pacificus* can also be obtained in adult (NR-44385) or nymph forms (NR-44387).

Packaging/Storage:

NR-44386 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.²

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* Larvae, NR-44386."

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.

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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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