

***Ixodes pacificus* Larvae (Live)**

Catalog No. NR-44386

For research use only. Not for human use.

Contributor:

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Manufacturer:

Centers for Disease Control and Prevention, 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.

Comment: This *I. pacificus* colony may contain Rickettsial endosymbionts.

I. pacificus is an arthropod vector competent of transmitting the following pathogens: *Anaplasma phagocytophilum* and *Borrelia burgdorferi*.

Material Provided:

NR-44386 contains a live wild-type *I. pacificus* larval batch. Registrants may order up to 10 larval batches in a given month. 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 CDC. The product is provided at room temperature and should be placed in an incubator or used immediately.

Growth Conditions:

All life stages are fed on New Zealand White rabbits. The contributor recommends standardized laboratory conditions for the maintenance of ticks.¹

Citation:

Acknowledgment for publications should read "The following reagent was provided by Centers for Disease Control and Prevention for distribution by BEI Resources, NIAID, NIH: *Ixodes pacificus* Larvae (Live), 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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

1. 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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