

**Adult *Dermacentor variabilis***

**Catalog No. NR-42513**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

CDC, Atlanta, Georgia, USA

**Product Description:**

Classification: *Ixodidae*, *Dermacentor*

Species: *Dermacentor variabilis* (common name: American dog tick)

Original Source: *Dermacentor variabilis* (*D. variabilis*) ticks were flagged from vegetation in 2003 in Georgia, USA.<sup>1</sup>

Transmission Competent Pathogens: Colorado tick fever virus, *Francisella tularensis* and *Rickettsia rickettsii*

Comment: This *D. variabilis* colony may contain rickettsial endosymbionts.<sup>1</sup>

**Material Provided:**

NR-42513 contains a live, wild-type *D. variabilis* adult tick. Registrants may order up to 50 adults in a given month.

Note: *D. variabilis* can also be obtained in larval (NR-44121) or nymph forms (NR-44122).

**Packaging/Storage:**

NR-42513 is prepared and shipped by CDC. The product is provided at room temperature and should be placed in a humidified environmental incubator<sup>2</sup> 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.<sup>2</sup>

**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: Adult *Dermacentor variabilis*, NR-42513.”

**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/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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