

Adult *Dermacentor variabilis*

Catalog No. NR-42513

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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*, *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.¹

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

Comments: This *D. variabilis* colony may contain rickettsial endosymbionts.¹

Material Provided:

NR-42513 contains a live wild-type *D. variabilis* adult tick.

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 incubator² 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.²

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. 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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