

Amblyomma mixtum Larvae

Catalog No. NR-44380

For research use only. Not for human use.

Contributor:

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Manufacturer:

CDC, Atlanta, Georgia, USA

Product Description:

Classification: Ixodidae, *Amblyomma*

Species: *Amblyomma mixtum* (reclassified from *Amblyomma cajennense*, common name: Cayenne tick)^{1,2}

Original Source: *Amblyomma mixtum* (*A. mixtum*) ticks were flagged from vegetation in 2010 in Texas, USA.²

Transmission Competent Pathogens: Uncertain; reported to transmit Rocky Mountain spotted fever group rickettsioses²

Material Provided:

NR-44380 contains a live, wild-type *A. mixtum* larval batch. Registrants may order up to 10 larval batches in a given month.

Note: *A. mixtum* can also be obtained in adult (NR-44379) or nymph forms (NR-44381).

Packaging/Storage:

NR-44380 is prepared and shipped by CDC. The product is provided at room temperature and should be placed in a humidified environmental incubator³ 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.³

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: *Amblyomma mixtum* Larvae, NR-44380.”

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.

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References:

1. Nava, S., et al. “Reassessment of the Taxonomic Status of *Amblyomma cajennense* (Fabricius, 1787) with the Description of Three New Species, *Amblyomma tonelliae* n. sp., *Amblyomma interandinum* n. sp. and *Amblyomma patinoi* n. sp., and Reinstatement of *Amblyomma mixtum* Koch, 1844, and *Amblyomma sculptum* Berlese, 1888 (Ixodida: Ixodidae).” Ticks Tick-Borne Dis. 5 (2014): 252-276. PubMed: 24556273.
2. Levin, M. L., Personal Communication.
3. 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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