

***Aedes albopictus*, Strain ATM-NJ95, Eggs**

Catalog No. NR-48979

For research use only. Not for human use.

Contributor:

Dina M. Fonseca, Ph.D., Professor, Center for Vector Biology, Department of Entomology, Rutgers University, New Brunswick, New Jersey, USA

Manufacturer:

Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA

Product Description:

Classification: *Culicidae*, *Aedes*

Species: *Aedes albopictus* (common names: Asian tiger mosquito; forest mosquito)

Strain: ATM-NJ95 (also referred to as ATM95)

Original Source: *Aedes albopictus* (*A. albopictus*), strain ATM-NJ95 was established in 1995 from mosquito larvae collected in a bucket at a marina in Keyport, NJ, USA.^{1,2}

Genotype: *A. albopictus*, strain ATM-NJ95 is a wild type (temperate) strain.²

Phenotype: *A. albopictus*, strain ATM-NJ95 is insecticide susceptible.^{1,2}

Transmission Competent Pathogens: Untested; may be competent for chikungunya, dengue, yellow fever and other Arboviruses as well as filarial nematodes including *Dirofilaria immitis*²

Comments: The ATM-NJ95 colony has been characterized for susceptibility to all main insecticide classes and is considered a valid susceptible reference strain for studies of insecticide resistance in temperate *A. albopictus*.^{1,2} The whole genome sequence of a representative *A. albopictus* colony is available (GenBank: [JXUM000000000](https://www.ncbi.nlm.nih.gov/nuccore/JXUM000000000)).

Material Provided:

NR-48979 contains a suitable number of live eggs to establish a stock. Eggs are provided on damp filter paper and should be hatched immediately upon receipt.

Packaging/Storage:

NR-48979 is prepared and shipped by CDC. The product is provided at room temperature.

Growth Conditions:

All stages were reared to adults in the laboratory on a diet of powdered cat food. Adult female *A. albopictus* were fed on restrained quails (*Colinus virginianus*) twice monthly as sources of blood for egg development.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: *Aedes albopictus*, Strain ATM-NJ95, Eggs, NR-48979.”

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.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. Marcombe, S., et al. “Insecticide Resistance Status of United States Populations of *Aedes albopictus* and Mechanisms Involved.” PLoS One 9 (2014): e101992. PubMed: 25013910.
2. Fonseca, D., Personal Communication.

ATCC® is a trademark of the American Type Culture Collection.

