

***Aedes aegypti*, Strain 1534C ROCK**

Catalog No. NR-59593

For research use only. Not for use in humans.

Contributor:

Jeffrey Scott, Department of Entomology, Cornell University, Ithaca, New York, USA

Manufacturer:

Centers for Disease Control and Prevention, Atlanta, Georgia, USA

Product Description:

Classification: *Culicidae*, *Aedes*

Species: *Aedes aegypti*

Strain/Isolate: 1534C ROCK

Original Source: *Aedes aegypti* (*Ae. aegypti*), strain 1534C ROCK was isolated in 2018 in Thailand.¹

Comments: *Ae. aegypti*, strain 1534C ROCK is pyrethroid-resistant and is congenic to insecticide susceptible Rockefeller strain (ROCK) but has knockdown resistance (*kdr*) allele F1534C in the voltage-sensitive sodium channel (*vssc*).^{1,2}

Material Provided:

Each shipment consists of live eggs at room temperature.

Packaging/Storage:

NR-59593 prepared and shipped by the CDC. The product is provided at room temperature.

Growth Conditions:

Standard *Ae. aegypti* rearing procedures are recommended.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Aedes aegypti*, Strain 1534C ROCK, NR-59593.”

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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. Scott, J., Personal Communication.
2. Fan, Y. and J.G. Scott. The F1534C Voltage-sensitive Sodium Channel Mutation Confers 7- to 16-fold Resistance to Pyrethroid Insecticides in *Aedes aegypti*. *Pest Manag Sci.* 76 (2020): 2251-2259. PubMed: 31981401.

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

