

Product Information Sheet for MRA-139

Anopheles quadrimaculatus, Strain ORLANDO, Eggs

Catalog No. MRA-139

For research use only. Not for human use.

Contributor:

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Manufacturer:

CDC

Product Description:

Classification: *Diptera, Culicidae, Anopheles*

Species: *Anopheles quadrimaculatus*

Strain: ORLANDO

Original Source: *Anopheles quadrimaculatus* (*A. quadrimaculatus*), strain ORLANDO was isolated in the United States.¹

Comments: *A. quadrimaculatus*, strain ORLANDO is a robust representative of *A. quadrimaculatus sensu stricto* and a general use 'wild type' colony. It has been identified to species according to morphologic criteria.¹ The ITS2 region was amplified via PCR using non-specific primers; when sequenced, ORLANDO was > 99% match for *A. quadrimaculatus*.² Additionally, PCR was performed on this stock showing that ORLANDO is *A. quadrimaculatus sensu stricto*.²

Material Provided:

MRA-139 contains a suitable number of eggs to establish a stock. Eggs are provided on damp filter paper and should be hatched immediately upon receipt.

Note: For information on hatching and establishing a stock of *A. quadrimaculatus* refer to [Methods in Anopheles Research](#).

Packaging/Storage:

MRA-139 is prepared and shipped by CDC. The product is provided at room temperature.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Anopheles quadrimaculatus*, Strain ORLANDO, Eggs, MRA-139, contributed by Mark Q. Benedict."

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. Seawright, J. A., Personal Communication.
2. Benedict, M. Q., Personal Communication.
3. Boyd, M. F. "Successful Cage Rearing of *Anopheles quadrimaculatus*." *Science* 76 (1932): 370-371. PubMed: 17732209.

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