

***Anopheles quadrimaculatus*, Strain ORLANDO, Frozen Kit (10 Male and 10 Female)**

Catalog No. MRA-137K

For research use only. Not for human use.

Contributor and Manufacturer:

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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

Comment: A robust representative of *A. quadrimaculatus*, strain ORLANDO was generously donated to CDC by Jack A. Seawright.

Applications: MRA-137K is suitable for DNA and RNA isolation, protein extraction, etc.

A. quadrimaculatus, strain ORLANDO was identified to species according to morphologic criteria.¹ The most recent morphological authentication was performed on F57 generation of *A. quadrimaculatus*, strain ORLANDO.

Material Provided:

Each kit of MRA-137K contains 10 adult male and 10 adult female wild-type *A. quadrimaculatus*, strain ORLANDO mosquitoes, which were preserved in liquid nitrogen (quick-frozen) while alive. MRA-137K lot 3654180 is generation F62 of *A. quadrimaculatus*, strain ORLANDO.

Packaging/Storage:

MRA-137K is prepared and shipped from CDC, Atlanta, GA USA. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Anopheles quadrimaculatus*, Strain ORLANDO, Frozen Kit (10 Male and 10 Female), MRA-137K, 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. Boyd, M. F. “Successful Cage Rearing of *Anopheles quadrimaculatus*.” Science 76 (1973): 370-371. PubMed: 17732209.

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