

# Product Information Sheet for MRA-133K

## *Anopheles albimanus*, Strain STECLA, Frozen Kit (10 Male and 10 Female)

Catalog No. MRA-133K

**For research use only. Not for human use.**

### Contributor and Manufacturer:

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### Product Description:

Classification: *Diptera, Culicidae, Anopheles*

Species: *Anopheles albimanus*

Strain: STECLA (Santa Tecla)

Original Source: *Anopheles albimanus* (*A. albimanus*), strain STECLA was originally isolated in Santa Tecla, El Salvador.<sup>1</sup>

Comments: This stock was established in 1974 in the United States.<sup>2</sup> It is possible that this stock has been mixed at some point with another 'wild type' *A. albimanus* stock called 'Apastepeque' that was maintained in the same laboratories.<sup>2</sup> *A. albimanus*, strain STECLA was generously donated to CDC by Jack A. Seawright.

Applications: MRA-133K is suitable for DNA and RNA isolation, protein extraction, etc.

*A. albimanus*, strain STECLA was identified to species according to morphologic criteria, including wild type eye color and contains no stripe+. Fourth-stage larvae (L4s) were susceptible to propoxur when treated at 20 ppm for 1 hour.<sup>2</sup> The most recent morphological authentication was performed on the F98 generation of *A. albimanus*, strain STECLA.

### Material Provided:

Each kit of MRA-133K contains 10 adult male and 10 adult female wild-type *A. albimanus*, strain STECLA mosquitoes, which were preserved in liquid nitrogen (quick-frozen) while alive. MRA-133K lot 3953440 is generation F65 of *A. albimanus*, strain STECLA.

### Packaging/Storage:

MRA-133K 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 albimanus*, Strain STECLA, Frozen Kit (10 Male and 10 Female), MRA-133K, 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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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### References:

1. Penilla, R. P., et al. "Towards a Genetic Map of *Anopheles albimanus* Identification of Microsatellite Markers and a Preliminary Linkage Map for Chromosome 2." *Am. J. Trop. Hyg.* 81 (2009): 1007-1012. PubMed: 19996429.
2. Seawright, J. A., Personal Communication.
3. Seawright, J. A. and S. K. Narang. "Linkage Groups of *Anopheles albimanus*." In *Genetic Maps*, 6th Ed. Cold Spring Harbor Lab. Press. pp. 3.269-3.272, 1983.

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