

***Anopheles freeborni*, Strain F-1, Frozen Kit
(10 Male and 10 Female)**

Catalog No. MRA-136K

For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

Classification: *Diptera, Culicidae, Anopheles*

Species: *Anopheles freeborni*

Strain: F-1

Original Source: *Anopheles freeborni* (*A. freeborni*), strain F-1 was isolated in 1943 in Marysville, California, USA.¹

Comment: *A. freeborni*, strain F-1 was generously donated to CDC by William E. Collins.

Applications: MRA-136K is suitable for DNA and RNA isolation, protein extraction, etc.

A. freeborni, strain F-1 was identified to species according to morphologic criteria, including wild type eye and body color.² The most recent morphological authentication was performed on the F50 generation of *A. freeborni*, strain F-1.

Material Provided:

Each kit of MRA-136K contains 10 adult male and 10 adult female wild-type *A. freeborni*, strain F-1 mosquitoes, which were preserved in liquid nitrogen (quick-frozen) while alive.

MRA-136K lot 3654179 is generation F55 of *A. freeborni*, strain F-1.

Packaging/Storage:

MRA-136K 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 freeborni*, Strain F-1, Frozen Kit (10 Male and 10 Female), MRA-136K, 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:

- Collins, W. E. and G. M. Jeffery. "A Historical Review of the F-1 Strain of *Anopheles freeborni* as a Host and Vector for Studies of Malaria." J. Am. Mosq. Control Assoc. 15 (1999): 117-127. PubMed: 10412108.
- Benedict, M. Q., Personal Communication.

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