

**Anopheles funestus, Strain FUMOZ, Frozen Kit (10 Male and 10 Female)**

**Catalog No. MRA-1027K**

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

**Contributor:**

Professor Maureen Coetzee, Ph.D., Director, Malaria Entomology Research Unit, National Institute for Communicable Diseases, South Africa

**Manufacturer:**

Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA

**Product Description:**

Classification: *Diptera, Culicidae, Anopheles*

Species: *Anopheles funestus*

Strain: FUMOZ

Original Source: *Anopheles funestus* (*A. funestus*), strain FUMOZ was established in 2001 from material collected in Matolo Province in southern Mozambique.<sup>1</sup>

Comments: Pyrethroid resistance is present in this colony even when not under selective pressure.<sup>1</sup> The complete genome of *A. funestus*, strain FUMOZ has been sequenced (GenBank: [APC100000000](https://www.ncbi.nlm.nih.gov/nuccore/APC100000000)).

Applications: MRA-1027K is suitable for DNA and RNA isolation, protein extraction, etc.

**Material Provided:**

Each kit of MRA-1027K contains 10 adult male and 10 adult female wild-type *A. funestus*, strain FUMOZ mosquitoes, which were preserved in liquid nitrogen (quick-frozen) while alive. MRA-1027K lot 58955511 is generation F8 of *A. funestus*, strain FUMOZ.

**Packaging/Storage:**

MRA-1027K is prepared and shipped from CDC. 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 funestus*, Strain FUMOZ, Frozen Kit (10 Male and 10 Female), MRA-1027K, contributed by Maureen Coetzee."

**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/bmbli5/index.htm](http://www.cdc.gov/biosafety/publications/bmbli5/index.htm).

**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](http://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:**

- Hunt, R. H., et al. "Laboratory Selection for and Characteristics of Pyrethroid Resistance in the Malaria Vector *Anopheles funestus*." Med. Vet. Entomol. 19 (2005): 271-275. PubMed: 16134975.

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

