

***Anopheles funestus*, Strain FUMOZ, Bulk Frozen**

**Catalog No. MRA-1027B**

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

**Contributor:**

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**Manufacturer:**

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

**Product Description:**

Classification: Culicidae, *Anopheles*

Species: *Anopheles funestus*

Strain: FUMOZ

Original Source: The *Anopheles funestus* (*An. funestus*) FUMOZ colony 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 *An. funestus*, strain FUMOZ has been sequenced (GenBank: [APCI00000000](#)).

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

**Material Provided:**

Each tube of MRA-1027B contains at least 100 adult male and female wild-type *An. funestus*, strain FUMOZ mosquitoes, which were preserved in liquid nitrogen (quick-frozen) while alive.

**Packaging/Storage:**

MRA-1027B is prepared and shipped by 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, Bulk Frozen, MRA-1027B, 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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. 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.
2. Benedict, M. Q. "Care and Maintenance of Anopheline Mosquito Colonies." In The Molecular Biology of Insect Disease Vectors (1997) Crampton, J. M., C. B. Beard and C. Louis (Eds.), Chapman & Hall: New York, pp. 2-12.
3. [Methods in Anopheles Research](#).

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