

***Anopheles gambiae*, Strain Mali-NIH, Bulk Frozen**

Catalog No. MRA-860B

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 gambiae* (African malaria mosquito) (The mosquito species complex *Anopheles gambiae* M form strains may also be referred to as *Anopheles coluzzii*, since a new species designation for these strains has been proposed.)¹

Strain: Mali-NIH

Original Source: The *Anopheles gambiae* (*An. gambiae*), strain Mali-NIH colony was established from blood-fed adult females collected resting inside houses in Niono, Mali in June 2005. Approximately 80 isofemale families molecularly identified as *An. gambiae* M form were used to establish the colony, which was subsequently karyotyped as 2Rbc/bc; 2La/a.^{2,3}

Comments: The *An. gambiae*, strain Mali-NIH colony is the source of DNA for the *An. gambiae* M form genome sequencing project (GenBank: [ABKP00000000](https://www.ncbi.nlm.nih.gov/nuccore/ABKP00000000)) supported by the National Human Genome Research Institute (NHGRI).³

Applications: MRA-860B is suitable for DNA and RNA isolation, protein extraction, etc.

Material Provided:

Each tube of MRA-860B contains at least 100 adult male and female wild-type *An. gambiae*, strain Mali-NIH mosquitoes preserved in liquid nitrogen (quick-frozen).⁴

Packaging/Storage:

MRA-860B 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 gambiae*, Strain Mali-NIH, Bulk Frozen, MRA-860B, contributed by Nora J. Besansky."

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/bmb15/index.htm.

Disclaimers:

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References:

1. Coetzee, M., et al. "*Anopheles coluzzii* and *Anopheles amharicus*, New Members of the *Anopheles gambiae* Complex." *Zootaxa* 3619 (2013): 246-274. PubMed: 26131476.
2. Besansky, N. J., Personal Communication.
3. Lawniczak, M. K., et al. "Widespread Divergence between Incipient *Anopheles gambiae* Species Revealed by Whole Genome Sequences." *Science* 330 (2010): 512-514. PubMed: 20966253.
4. For details on authentication methods used to confirm the identity of this Mali-NIH stock, please refer to: [https://www.beiresources.org/portals/2/MR4/Pdfs/Anophiles/Mali NIH Stock Auth Sheet.pdf](https://www.beiresources.org/portals/2/MR4/Pdfs/Anophiles/Mali%20NIH%20Stock%20Auth%20Sheet.pdf).

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