

**Anopheles gambiae, Strain Mali-NIH, Eggs**

**Catalog No. MRA-860**

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

**Contributor:**

Nora J. Besansky, Ph.D., O'Hara Professor and Associate Chair, Department of Biological Sciences, University of Notre Dame, Notre Dame, Indiana, USA

**Manufacturer:**

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

**Product Description:**

Classification: *Diptera, Culicidae, Anopheles*

Species: *Anopheles gambiae* (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.)<sup>1</sup>

Strain: Mali-NIH

Original Source: The *Anopheles gambiae* (*A. 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 *A. gambiae* M form were used to establish the colony, which was subsequently karyotyped as 2Rbc/bc; 2La/a.<sup>2,3</sup>

Comment: The *A. gambiae*, strain Mali-NIH colony is the source of DNA for the *A. gambiae* M form genome sequencing project (GenBank: [ABKP0000000](#))<sup>3</sup> supported by the National Human Genome Research Institute (NHGRI).

The most recent authentication was performed on the 14<sup>th</sup> generation of the Mali-NIH strain.<sup>4</sup>

**Material Provided:**

MRA-860 contains a suitable number of eggs to establish a stock. Eggs are provided on damp filter paper and should be hatched immediately upon receipt.

Note: For information on hatching and establishing a stock of *A. gambiae* refer to [Methods in Anopheles Research](#).

**Packaging/Storage:**

MRA-860 is prepared and shipped by CDC. The product is provided at room temperature.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Anopheles gambiae*, Strain Mali-NIH, Eggs, MRA-860, 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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/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:**

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. Grushko, O., 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. Wilkins, E. E., et al. "Authentication Scheme for Routine Verification of Genetically Similar Laboratory Colonies: A Trial with *Anopheles gambiae*." *BMC Biotechnol.* 9 (2009): 91. PubMed: 19849838.

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

