Anopheles gambiae, Strain G3, Eggs

Catalog No. MRA-112

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For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

Classification: Culicidae, *Anopheles*
Species: *Anopheles gambiae* (African malaria mosquito)
Strain: G3
Original Source: The *Anopheles gambiae (An. gambiae),* strain G3 was isolated in 1975 in The Gambia, Africa.[1,2]
Comments: Strain G3 has a 2La/+, 2r+/+, TEP1 s/s genotype.[3] G3 is a mongrel stock that has not been exhaustively defined to distinguish it from other 'wild' *An. gambiae* stocks.[1] It is reported as Savanna rDNA form (predominately) and dieldrin-susceptible, and is distributed 'as is' with accompanying authentication information (wild eye color, polymorphic at *collarless*).[1-3]

Material Provided:

MRA-112 contains a suitable number of eggs to establish a stock.[3] Eggs are provided on damp filter paper and should be hatched immediately upon receipt.

Packaging/Storage:

MRA-112 is prepared and shipped by CDC. The product is provided at room temperature.

Growth Conditions:

Standard *An. gambiae* rearing methods are recommended.[4,5]

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Anopheles gambiae*, Strain G3, Eggs, MRA-112, 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:

1. Benedict, M. Q., Personal Communication.
2. Beard, C. B., et al. "Eye Pigments in Wild-Type and Eye-Color Mutant Strains of the African Malaria Vector *Anopheles gambiae*." J. Hered. 86 (1995): 375-380. PubMed: 7560874.
3. For details on authentication methods used to confirm the identity of this G3 stock, please refer to: https://www.beiresources.org/portals/2/MR4/pdfs/anopheles/G3 stock auth sheet.pdf.
4. 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.
5. Methods in *Anopheles* Research
6. Scott, J. A., W. G. Brogdon and F. H. Collins. "Identification of Single Specimens of the *Anopheles gambiae* Complex by the Polymerase Chain Reaction." Am. J. Trop. Med. Hyg. 49 (1993): 520-529. PubMed: 8214283.

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