

***Aedes aegypti*, Strain KHW, Eggs**

Catalog No. MRA-730-CDC

For research use only. Not for human use.

Contributor:

Mark Q. Benedict, Ph.D., Research Biologist, Entomology Branch, Division of Parasitic Diseases, National Center for Infectious Diseases (NCID), Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA

Manufacturer:

CDC

Product Description:

Classification: *Diptera, Culicidae, Aedes*

Species: *Aedes aegypti* (yellow fever mosquito)

Strain: KHW [kynurenine hydroxylase white-eye (*kh^w*)]¹

Original Source: The *Aedes aegypti* (*A. aegypti*), strain KHW colony was established by Dr. Satish C. Bhalla in 1966.²⁻⁴ The parent stock and geographic site are unknown.²

Comments: *A. aegypti*, strain KHW is a recipient stock for germline transformation using the white eye-cinnabar marker.^{1,2,5} It has been identified to species according to local morphologic criteria.

Material Provided:

MRA-730-CDC contains a suitable number of eggs to establish a stock. Eggs are provided on damp filter paper and should be hatched under vacuum immediately upon receipt.²

Packaging/Storage:

MRA-730-CDC is prepared and shipped by CDC. The product is provided at room temperature.

Growth Conditions:

Standard *A. aegypti* rearing procedures are recommended.²

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Aedes aegypti*, Strain KHW, Eggs, MRA-730-CDC, 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. Cornel, A. J., et al. "Transient Expression of the *Drosophila melanogaster* Cinnabar Gene Rescues Eye Color in the White Eye (WE) Strain of *Aedes aegypti*." Insect Biochem. Mol. Biol. 27 (1997): 993-997. PubMed: 9569641.
2. Benedict, M. Q., Personal Communication.
3. Bhalla, S. C. "White Eye, a New Sex-Linked Mutant of *Aedes aegypti*." Mosquito News 28 (1968): 380-385.
4. Bhalla, S. C. "Genetic Aspects of Pteridines in Mosquitoes." Genetics 58 (1968): 249-258. PubMed: 5664386.
5. Jasinskiene, N., et al. "Stable Transformation of the Yellow Fever Mosquito, *Aedes aegypti*, with the *Hermes* Element from the Housefly." Proc. Natl. Acad. Sci. USA 95 (1998): 3743-3747. PubMed: 9520437.

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