Product Information Sheet for MRA-1163

MOSQUITO

MRA No.: MRA-1163

Strain name: *Anopheles gambiae* (KIL) phiC31 docking LINE E

For research use only. Not for human use.

Donor:
Dr. Paul Eggleston, Keele University

Manufacturer:
Centers for Disease Control and Prevention

Product description:
Classification: *Culicidae, Anopheles*
Species: *Anopheles gambiae*
Common name: African malaria mosquito
Original source: derived from KILIMANJARO colony
Pathogens for which vector is transmission competent:
Plasmodium spp.
Genotype:
pBac [eCFP 3xP3]
Phenotype:
Carries a pBac [3xP3:ECFP] transposon with an att-P site for ΦC31 (phiC31) site specific transgenesis.

Material provided:
Approved registrants will receive approximately 1000 eggs shipped on moist filter paper.

Packaging/Storage:
This material is prepared and shipped from CDC, Atlanta, GA USA.

Growth Conditions:
Insects are reared according to Benedict 2007.

Citation:
Acknowledgement for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Anopheles gambiae* (KIL) phiC31 docking LINE E, MRA-1163".

Biosafety Level: 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: Biosafety in Microbiological and Biomedical Laboratories, 5th ed. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Washington DC: U.S. Government Printing Office; 2009. The text is available online at www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers
This product is intended for laboratory research purposes only. It is not intended for use in humans.

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References:
Meredith JM, Basu S, Nimmo DD, Larget-Thiery I, Warr EL, Underhill A, McArthur CC, Carter V, Hurd H, Bourgouin C, Eggleston P.
Site-specific integration and expression of an anti-malarial gene in transgenic Anopheles gambiae significantly reduces *Plasmodium* infections. PLoS One. 6:e14587, 2011. PubMed 21283619

Benedict, M.Q. (1997). Care and maintenance of anopheline mosquito colonies. *In* The Molecular Biology of Insect Disease Vectors. Crampton JM, Beard CB, Louis C, editors. Chapman & Hall, New York. 2-12.

BEI Resources is funded by the National Institute of Allergy and Infectious Diseases (NIAID).

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