



Anopheles quadrimaculatus Say (Anopheles)

Strain Name: ORLANDO, MRA-139

Place of Origin: United States

Colonization date: circa 1930

Established by: Dr. M. Boyd

Deposited by: Dr. Jack Seawright

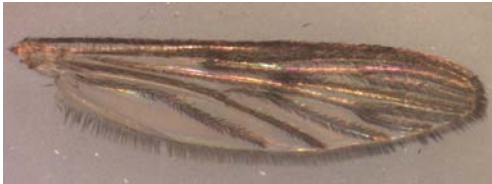
Genotype: go⁺; ro⁺

Phenotype: no information

Karyotype: undefined

Insecticide Resistance: unknown

Adult Morphological Traits



Morphological characteristics of *An. quadrimaculatus* ORLANDO adults.

Authentication Methods used to confirm stock identity

1. Examined eggs: all were black in color
2. Examined eye color: all individuals had wild eye color.
3. Examined adults microscopically for morphological characters: all individuals had standard features of *An. quadrimaculatus*.

References referring to this stock:

Zhang, J. and K. Yan Zhu (2006). "Characterization of a chitin synthase cDNA and its increased mRNA level associated with decreased chitin synthesis in *Anopheles quadrimaculatus* exposed to diflubenzuron." *Insect Biochemistry and Molecular Biology* 36(9): 712-25.

Zhu, K., S. Heise, et al. (2007). "Comparative studies on effects of three chitin synthesis inhibitors on common malaria mosquito (Diptera: Culicidae)." *J Med Entomol.* 44(6): 1047-53.