



Anopheles quadrimaculatus Say (Anopheles)

Strain Name: GORO, MRA-891

Place of Origin: radiation induced mutations in ORLANDO

Colonization date: 2007

Established by: Paul Howell

Deposited by: MR4 Vector component

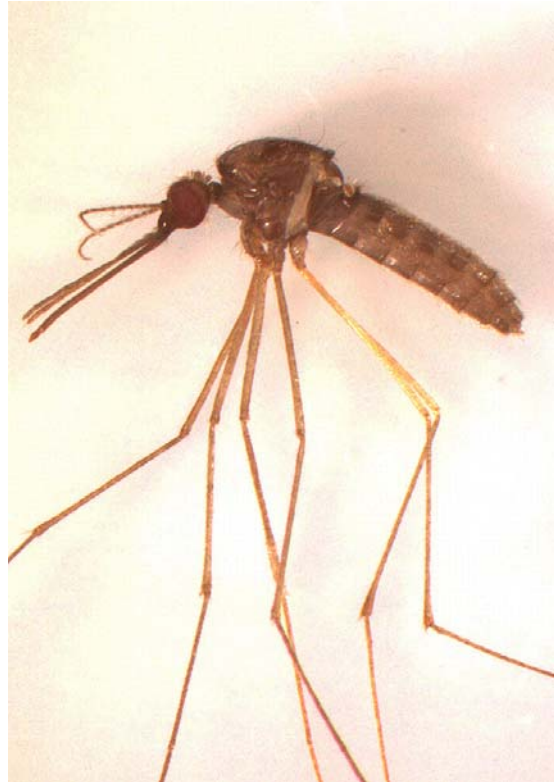
Genotype: ro¹; go¹

Phenotype: golden cuticle (go) and rose eye color (ro)

Karyotype: undefined

Insecticide Resistance: unknown

Adult Morphological Traits



Morphological characteristics of *An. quadrimaculatus* GORO adults.

Authentication Methods used to confirm stock identity

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

References referring to this stock:

Mazur, P., X.-H. Liu, et al. (2001). The development of permeability barriers in oocytes and eggs of *Anopheles gambiae* and the Golden Cuticle mutant of *Anopheles quadrimaculatus*. Cryobiology National Conference.

Mitchell, S. E., S. K. Narang, et al. (1992). "Mitochondrial and Ribosomal DNA Variation Among Members of the *Anopheles quadrimaculatus* (Diptera, Culicidae) Species Complex." *Genome* 35(6): 939-950.