



Sep 21, 2020

Toxicity assay for mosquito larvicidal activity-Part2

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dx.doi.org/10.17504/protocols.io.bmjrk4m6

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DOI

dx.doi.org/10.17504/protocols.io.bmjrk4m6

DOCUMENT CITATION

avinash.kale 2020. Toxicity assay for mosquito larvicidal activity-Part2. **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.bmjrk4m6>

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CREATED

Sep 21, 2020

LAST MODIFIED

Sep 21, 2020

DOCUMENT INTEGER ID

42321

The phenotypic characters of *C. quinquefasciatus* can be easily distinguished from the other species of mosquitoes. After collecting the dead larvae, they were identified phenotypically, with the help of an expert entomologist in the Zoonosis Department of the Haffkine Institute for Training, Research and Testing, using the keys of Barraud#.

Pocock, R. Fauna of British India. Mollusca. London 2, (1908).

The bioassay experiments were carried out at the Department of Zoonosis, Haffkine Institute for Training, Research and Testing, Mumbai, India. The Department is a Central Insecticide Board, Ghaziabad, New Delhi, India approved centre and is actively engaged in testing for Bio efficacy, persistency, repellence, testing against crawling & flying insects, mosquito repellence test on human skin, water resistance study and study of products for testing of Anti- Ant and Anti Wasp activity as per WHO guidelines. The mosquito larvae strains used here for various testing are the F1 generation of *Culex quinquefasciatus* in their third instar stage of development. These strains of mosquitoes have been used for reporting various mosquito repellents but their resistance or susceptibility to Bt is undetermined.