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(54) **Title:** HOMOGENIZATION METHOD OF INFECTING A MOSQUITO WITH WOLBACHIA

(57) **Abstract:** Methods of infecting a mosquito with *Wolbachia* and controlling a mosquito population with the *Wolbachia*-infected mosquito are provided herein. The method includes microinjecting a suspension including *Wolbachia* cells and buffer into a target mosquito embryo to produce a *Wolbachia*-infected G₀ female. The suspension including *Wolbachia* cells and buffer is obtained by homogenizing a donor insect embryo, tissue, and/or whole body infected with *Wolbachia* to form a homogenate and the *Wolbachia* cells are separated from the homogenate.



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