Protocols for Microapplicator-assisted Infection of Lepidopteran Larvae with Baculovirus

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Abstract
Baculoviruses are widely used both as protein expression vectors and as insect pest control agents. This video shows how lepidopteran Drosophila Development and Reproduction, a JoVE Science Education video explaining more about about the context of larvae larvae can be infected with microapplicator techniques in the gut with baculovirus polyhedra and in the hemolymph with budded virus. This accompanying Springer Protocols section provides an overview of the baculovirus lifecycle and use of baculoviruses as insecticidal agents. Formulation and application of baculoviruses for pest control purposes are described elsewhere.

Keywords
Plant Biology, Baculovirus insecticides, recombinant baculovirus, insect pest management

Disciplines
Entomology | Plant Biology | Virology

Comments

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Video Article

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Keywords: Plant Biology, Issue 18, Springer Protocols, Baculovirus insecticides, recombinant baculovirus, insect pest management,

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Video Link

The video component of this article can be found at http://www.jove.com/details.php?id=889

Protocol

Please visit Springer Protocols to learn more about the engineering baculovirus as an insecticidal agent and the microapplicator techniques used in this assay.

References