

9-3-2008

Protocols for Oral 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 larvae can be infected with polyhedra by droplet feeding and diet plug-based bioassays. This accompanying Springer Protocols section provides an overview of the baculovirus lifecycle and use of baculoviruses as insecticidal agents, including discussion of the pros and cons for use of baculoviruses as insecticides, and progress made in genetic enhancement of baculoviruses for improved insecticidal efficacy.

Keywords

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

Disciplines

Entomology | Plant Biology | Virology

Comments

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Video Article

Protocols for Oral Infection of Lepidopteran Larvae with Baculovirus

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URL: <http://www.jove.com/video/888>

DOI: [doi:10.3791/888](https://doi.org/10.3791/888)

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Date Published: 9/3/2008

Citation: Sparks, W., Li, H., Bonning, B. Protocols for Oral Infection of Lepidopteran Larvae with Baculovirus. *J. Vis. Exp.* (19), e888, doi:10.3791/888 (2008).

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Video Link

The video component of this article can be found at <http://www.jove.com/video/888/>

Protocol

Please visit [Springer Protocols](#) to learn more about the engineering baculovirus as an insecticidal agent and the oral infection techniques used in this assay.

Disclosures

The authors have nothing to disclose.