



Mar 27, 2024

Version 1

Drosophila melanogaster inoculation with Bd V.1

DOI

dx.doi.org/10.17504/protocols.io.yxmvme7n6g3p/v1

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DOI: <https://dx.doi.org/10.17504/protocols.io.yxmvme7n6g3p/v1>

Protocol Citation: Tatum S Katz, Alyssa Byer, Renwei Chen 2024. *Drosophila melanogaster* inoculation with Bd. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.yxmvme7n6g3p/v1>

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Protocol status: Working

We use this protocol and it's working

Created: March 27, 2024

Last Modified: March 27, 2024

Protocol Integer ID: 97460

Keywords: drosophila melanogaster inoculation with bd method, drosophila melanogaster inoculation, batrachochytrium dendrobatidi, batrachochytrium dendrobatidis under review, manuscript drosophila melanogaster, bd method

Funders Acknowledgements:

NIH Ecology and Evolution of Infectious Diseases

Grant ID: R01GM135935

University of California Santa Barbara California Alliance for Minority Participation

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Abstract

Methods to inoculate *D. melanogaster* with *Batrachochytrium dendrobatidis*.

For manuscript *Drosophila melanogaster* is a possible vector of *Batrachochytrium dendrobatidis* under review at PLOS One.

Troubleshooting



Protocol

- 1 Plate 0.5ml of treatment (10^6 zsps per fly or DI water) onto each agar plate
- 2 Allow plates to dry so that no water is puddled on the surface
- 3 Place 10 flies onto each plate
- 4 Seal plates with parafilm and incubate at room temperature for 24 hours
- 5 Transfer flies into fly vials (keeping all flies from the same plate together in the same vial)
- 6 Euthanize flies in the freezer at desired time point (within 5 days). Or, use the living inoculated flies for another protocol
- 7 If you want to test the difference between washed and unwashed flies, you may wash a group of up to 5 flies at a time in PBS buffer using 500ul per fly prior to DNA extraction.
- 8 Inoculated flies are now ready for DNA extraction or other methods.