

Resource Summary Report

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Generating and Rearing Axenic Drosophila

DOI:10.17504/protocols.io.hebb3an

Type: Protocol

Proper Citation

Zita Santos, Patrícia Francisco, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Gabriela Tondolo Fioreze, Pavel M. Itskov, Matthew D. W. Piper, Carlos Ribeiro 2017. Generating and Rearing Axenic Drosophila. protocols.io
dx.doi.org/10.17504/protocols.io.hebb3an

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.hebb3an>

Authors: Zita Santos, Patrícia Francisco, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Gabriela Tondolo Fioreze, Pavel M. Itskov, Matthew D. W. Piper, Carlos Ribeiro

Group: Ribeiro Lab

Summary: This is a protocol to generate axenic fly cultures by sterilizing embryos. It is part of the manuscript: Gonçalves et al. Commensal bacteria and essential amino acids control food choice behavior and reproduction. Plos Biology. 2017 Apr 18. The protocol was adapted from: Wayland MT, Defaye A, Rocha J, Jayaram SA, Royet J, Miguel-Aliaga I, et al. Spotting the differences: Probing host/microbiota interactions with a dedicated software tool for the analysis of faecal outputs in Drosophila. J Insect Physiol. 2014;69: 126–135. doi:10.1016/j.jinsphys.2014.05.023 with the help of the Leulier laboratory.

Associated Publications: Leitão-Gonçalves R, Carvalho-Santos Z, Francisco AP, Fioreze GT, Anjos M, Baltazar C, Elias AP, Itskov PM, Piper MDW, Ribeiro C, Commensal bacteria and essential amino acids control food choice behavior and reproduction. PLoS Biology 15(4). doi: [10.1371/journal.pbio.2000862](https://doi.org/10.1371/journal.pbio.2000862)

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External URL: <https://doi.org/10.1371/journal.pbio.2000862>

Version: 1

Publication Date: 2017

Proper Citation: Zita Santos, Patrícia Francisco, Margarida Anjos, Célia Baltazar, Ana Paula Elias, Gabriela Tondolo Fioreze, Pavel M. Itskov, Matthew D. W. Piper, Carlos Ribeiro 2017. Generating and Rearing Axenic *Drosophila*. protocols.io
dx.doi.org/10.17504/protocols.io.hebb3an

Record Creation Time: 20210329T220519+0000

Record Last Update: 20210329T220844+0000

Data and Source Information

Source: