Drosophila

This service includes access to fly rooms with stereoscopic microscopes and CO2 facilities to handle and treat flies, climate incubators and chambers (18º C and 25º C) for study maintenance and growth, and providing culture medium in trays of 100 vials.

The culture-medium service and related rooms are available to groups located in the PCB laboratories that work with fruit flies.

Introduction

- The services offered by the SCC-PCB include those for laboratories using Drosophila melanogaster as a research model.
- This service centralizes production of food or culture medium for the flies and the requested amount is produced each week in 100-vial trays. The service runs Monday to Friday, except for public holidays.
- Associated with culture medium, laboratories also have access to the fly rooms (with stereoscopic microscopes). These spaces are fitted with stereoscopic microscopes and CO2 installations to handle and observe the flies. Users may access the fly rooms 24 hours a day, 365 days a year, self-service.
- The laboratories may also request an assigned space in the climate cabinets and chambers for growing flies (25º C) and stocks (18º C).

Producing culture medium

- The culture medium is made daily in automatic devices designed for this purpose and stored in refrigerated chambers. The pace of preparation ensures it is properly preserved.
- The recipe is standard, established originally by users, respecting ingredients, amounts and preparation method. Any variations to or changes in the recipe must be approved by all users.
- Trays of 100 vials are available in 2 formats:
  - Tray of 100 large vials
  - Tray of 100 small vials
- Culture medium is available in other formats upon request.

Management of room and equipment

- The service includes periodic monitoring of the facilities and equipment to ensure everything is in proper working order, preventative maintenance and follow-up on incidents or corrective maintenance, as well as proper waste management services.