

DROSOPHILA MELANOGASTER

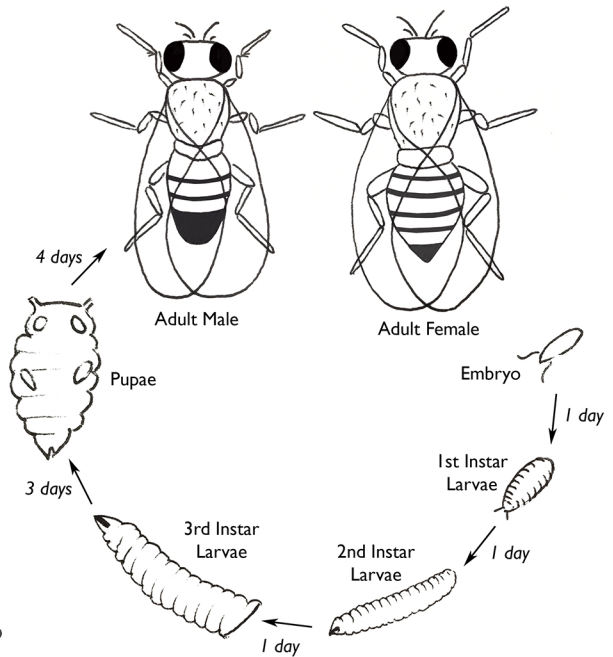
Upon receipt, carefully remove tape to help airflow.

It is not uncommon for some adult flies to die during transit, all cultures however will contain plenty of eggs, larvae and pupae to compensate.

Keep flies around 18-25°C, varying the temperature will speed up/slow down the lifecycle. At 24°C the lifecycle is as per the diagram.

Drosophila should be sub-cultured into fresh tubes of media every 10-20 days.

These can be bought or made (recipe below)



www.darwinbiological.co.uk

DID YOU KNOW?

- Drosophila are used in addiction research as they can get drunk and addicted to alcohol.
- Drosophila are used in for sleep research as they experience 'jet lag' and older flies sleep less.
- For almost every organ in humans there is a match in flies, and common genes regulate their development, organisation and function.
- Drosophila are behind 10 Nobel laureates in Physiology or Medicine!
- In 1947 fruit flies were the first ever organisms to reach space and return safely.

Facts courtesy of:

www.flyfacility.manchester.ac.uk



MEDIA RECIPE

Drosophila media is easy and cheap to make. Add the first 5 ingredients to a pan and cook for 10 minutes, once thick remove from the heat and add the Nipagen. Pour whilst still hot into specimen tubes. Plug tubes and allow to cool before use. Dry any condensation and add a pinch of yeast before adding flies. If storing, keep refrigerated and use within 1 week.

Ingredients:

9g Yeast, 4.5g Agar, 43g Oatmeal or Maizemeal, 40g Golden Syrup or Treacle, 520ml Water, 12ml Nipagen Solution (1.2g dissolved in 12ml 95% alcohol)