

KIT ÉTUDE DE L'IMPACT DU CHANGEMENT CLIMATIQUE SUR LA DROSOPHILE

Reference : KITRC



Study of the impact of climate change on drosophila kit

Biodiversity changes over time.

Rapid evolution of biodiversity due to environmental changes.

This kit is used to test the effect of temperature on the speed of development of Drosophila on the one hand, and adaptability to thermal changes on the other.

Students will each prepare a tube with 20 males and 20 females of Drosophila, either of the wild strain, or of the Apterous sepia strain.

The tubes will be placed at 3 different temperatures: 20 °, 24 ° and 28 ° C.

3 weeks later, the students can count the number of adults, pupae or larvae in each tube and analyse the effect of temperature on the development of each strain:

- the speed of development of the wild strain increases when the temperature increases
- Apterous sepia will see its population collapse from 28 ° C (threshold temperature). Apterous sepia does not have the ability to adapt to an increase in temperature beyond a certain threshold, while the wild arrives there.

Composition for 10 to 15 pairs of students:

- 6 tubes of wild Drosophila
- 6 tubes of Drosophila ApSe

- 30 tubes of ready-to-use medium