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Drug feeding protocol

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol covers the steps for drug feeding in fly models.



- 1 Collect flies for feeding:
 - Clear bottles the day before collecting
 - Select appropriate genotype for feeding
- 2 Prepare drugs to be fed:
 - Thaw drugs
 - Add  3 mL water to each vial
 - Add appropriate number of ul drug to water, mix by swirling
- 3 Make fly food in vials that contain water and drug:
 - Place the label that matches the drug you are using on the vial
 - Add dry fly food to make a thick slurry, water will be absorbed in minutes
 - Turn on gas and knock out flies. Put up to 40 flies into vial.
 - Put the flies in a box in the  25 °C incubator
- 4 Flies are fed 3 doses of each drug. Flies are fed for a total of 10 days.
- 5 Harvest flies at 10 days and fix in formalin for histological analysis or process appropriately for other studies as needed.