Fruit fly potato culture media

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1 Works for me dx.doi.org/10.17504/protocols.io.bei3jcgn

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ABSTRACT

Potato-based medium for culture of Drosophila melanogaster.

MATERIALS TEXT

- Distilled water;
- Dried yeast;
- White sugar;
- Instant mashed potato flakes;
- Agar;
- 95% ethanol;
- Ascorbic acid (Sigma - A92902);
- Methyl Paraben (Sigma – 47889);

BEFORE STARTING

Preparation of 10 % Nipagin stock solution:
-50 mL of 95% ethanol;
-17.5 mL distilled water;
-6.75 g of Methyl Paraben;
Note – This solution must be protected from light exposure.

1 Dissolve all following ingredients in 1.1 L of distilled water:

-12.9 g Dried yeast;
-1 g White sugar;
-40 g Instant mashed potato flakes;
-10 g Agar;
-0.875 g Ascorbic acid;

2 Boil everything for 15 minutes.

3 Let it cool down to 60ºC and add 8.5 mL of 10% Nipagin solution.

4 Mix well and fill about 1/4 of your preferred fruit fly vials or bottles with the medium.

5 On a clean bench hood, let the medium solidify in the vials with the cap open to avoid water condensation and store at 4ºC for further usage.

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