

Making Males of *C. elegans*

Fanglian He

Carnegie Institution at Stanford

[Abstract] Getting males from a hermaphrodite population. This is a modified version of protocol originally written by Michael Koelle at Yale University.

Materials and Reagents

1. [NGM plates](#)

Equipment

1. 25 and 30 °C incubators

Procedure

- A. Set up ~6 NGM plates (seeded with normal bacterial food *E. coli* OP50-1) with 10 L4 hermaphrodites each.
- B. Heat shock 4-6 h (no more than 6 h) at 30 °C.
- C. Move plates to 25 °C. You should get a few males per plate in the F1 generation.
Note: To get more males, it is best to set them up with an excess of L4 hermaphrodites to ensure more males recover in the next generation.
- D. Male stocks should be maintained by selecting out an excess of males, along with a few L4 hermaphrodites in each generation (usually, male to hermaphrodite ratio is about 1: 10).