

## I. Generating Males

- A. Place approximately 20 L4 hermaphrodites on a seeded 10cm NGM petri dish
- B. Incubate this plate at 30C for six hours or 27 C overnight
- C. After heat exposure, place animals at 20 or 25 C
- D. Expect to recover 1-10 adult males in 3, or 2 days (depending on incubation temperature) after heat exposure
- E. Transfer the males to a small NGM plate
  1. Add adult hermaphrodites (no later than 8 days old), ensuring a high male ratio (1-5 males per hermaphrodite)
- F. Check plate for enrichment of males in F1 progeny with hermaphrodite-mated hermaphrodites will produce 50% males
  - 1.