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## Double picking protocol for tracking

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Behavioural Genomics



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**Protocol status:** Working

**We use this protocol and it's working**

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## Imaging plates

- 1
  1. Prepare and pour low peptone NGM onto 35mm imaging plates
  2. Put them in the cold room for at least 2 days before use
  3. Seed imaging plates with 50ul of freshly made 1:10 solution (OP50:M9 solution) the day before recording
  4. Leave on bench to dry with lid on overnight

## Day before recording

- 2
  1. Pick around 45 L4s with a hair pick onto seeded NGM plate from maintenance plates having a mixed population of worms
  2. Leave the plates in a 20C incubator for ~24hrs

## Day of recording

- 3
  1. Using a hair pick – pick 5 young adults onto the seeded imaging plates
  2. Put the plates on the tracker – agar side up with the lids off
  3. Wait 30min for the worms to acclimatise
  4. Record for 15min (See protocol ***Imaging on the multiworm tracker*** for detailed tracking instructions)