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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)