

Independent Laboratory: Materials List

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1 Glassware & Non-Disposables

- 1 pair of tweezers: for picking up worms.
- pipettes

2 Disposables

- pipette tips

3 Chemicals

- NaCl solution: sufficient to create pillars at concentration 200 mM.
- Methylene blue, for colouring the high concentration pillars.
- 60 agar plates, 20 for the first day

4 Biologicals

- 60 *C. elegans* worms, 20 for the first day: provided in the same way they were in the chemotaxis lab. We would like them grown in 50 mM NaCl solution.

5 Instruments

- 2 cameras: image sequence acquisition.
- 2 computers: image sequence acquisition
- 1 ruler: for scale conversion.

6 Miscellaneous

- skewer or needles: creating holes in agar plates in the location of cities. (the metal sticks you showed us)
- 2 retort stands with clamp: for holding camera.
- 2 LED rings: for imaging *C. elegans*. Our optics set up for this part of the lab should be similar to that in the chemotaxis lab.

¹We won't need the stuff we previously wanted for the diffusion: toothpicks, plastic slab, petri dishes, cardboard, brilliant blue dye, etc

²We have requested 2 of many items because we hope to work simultaneously on the same tasks.