

Decontamination or Bleaching of worms

Requirements:

- NaOH 10N or KOH 5M
- Bleach (Sodium hypochlorite)
- NGM plates (with OP50)
- ddH₂O/M9 sterile/filtered

Protocol

1. Collect worms from the plates in ddH₂O/M9 buffer and transfer to a 15ml tube. Let the worms settle. Spin at 2500rpm for 1 min, Repeat 3 times with ddH₂O/M9 buffer.
2. Transfer to 1.5 ml tube in 3.75ml of ddH₂O or M9.
3. NaOH/bleach solution must be prepared fresh
4. Mix 0.25ml of NaOH 10N or 500 ul of 5M KOH with 1ml of bleach. Add to worm solution. Vortex briefly.
5. Incubate at room temperature until worms are no longer visible or moving with the naked eye (usually 4-6 minutes). Vortex briefly every minute. Not beyond 10 min.
6. Centrifuge 1min at 1200g. Remove supernatant. Wash with M9 buffer
7. Repeat step 3-5 times.
8. After the last wash, leave approx. 100 ul above the egg pellet in M9 buffer.
9. Pipette drop of it at the side of a NGM petri, Leave at RT for 15 min to dry up
10. Grow it overnight at 20°C.