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EMS mutagenesis of *C. elegans*

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#All operations with EMS should be done in fume hood.

#Treat all the tips and tubes with 5M NaOH for 24h before throw away.

1. Collect 200 L4 worms into 3 mL M9 buffer.
2. Mix 20 μ L EMS (Sigma #M-0880) with 1 mL M9 in a 15 mL tube, mix well.
3. Transfer worms with 3 mL M9 to the EMS solution (about 47 mM).
4. Incubate in the fume hood at 20 °C for 3.5 hours, shake the tube every 30 min.
5. Wash worms at least 3 times with M9 buffer.
6. Transfer worms to OP50 plates.
7. Pick out alive worms as P0 after 2 hours' recovery.