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Short term effect of Aldicarb on C.elegans

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1

Works for me

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ABSTRACT

- Aldicarb is a cholinesterase inhibitor which prevents the breakdown of acetylcholine in the synapse
- Reported to paralyze C. elegans
- Strains of interest believed to be resistant to the paralytic effect
- Strains: OW1601 & OW1603

- 1 Bleach synchronize the worms on a Friday
- 2 Following Monday refeed the arrested L1s on OP50 seeded plates, make 2 plates per strain keeping one plate at 20C and the other at 25C
- 3 The day before tracking (Wednesday) add 35ul of 2.5mM AK to 24 imaging plates
- 4 Also, seed those drugs treated 24 imaging plates and additional 24 non-treated imaging plates with 50ul of 1:10 OP50 and leave to dry O/N
- 5 On the day of tracking (Thursday), transfer 5 worms per strain on to the aldicarb treated plates and leave for 1.5hrs, pick onto the controlled plates too
- 6 After 1.5hrs image for 15mins on Phenix

Track 8 sets: (2 treatment sets + 2 control sets with no treatment) x 2 growth temperatures



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