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Adding 1-hydroxyphenazine to L4 C. elegans in liquid culture

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol describes day 4 of our workflow to grow worms in liquid culture to induce the production of natural products (in this case, 1-HP derivatives). In this protocol, we add the toxin to our worms grown in liquid culture to induce the production of glycosylated products.



- 1 Follow steps 1-6 from the protocol for transferring *C. elegans* to S-buffer, but centrifuge at 525 RCF for 1 minute
- 2 Dilute to a final concentration of 30,000 worms/mL in S-basal and final toxin concentration of 22.3 μ M 1-HP.
- 3 Repeat steps 1-2 for 1.1% DMSO and bacteria-only controls.
- 4 If using negative controls, repeat steps 1-3 for them.
- 5 Put the flasks back in the shaker and allow to incubate for 24 hours.