Making *C. elegans* lysates for PCR

Materials

- Proteinase K

- Worm Lysis Buffer
  50 mM KCl
  10 mM Tris-HCl
  2.5 mM $MgCl_2$
  0.45% Nonidet P-40
  0.45% Tween-20
  0.01% gelatin

Procedure

1.Supplement each 100uL worm lysis buffer with 1uL recombinant Proteinase K solution.

2. Aliquot 10uL lysis buffer per PCR tube

3. Pick one or several worms into each tube. Make sure that the worms wriggle off the end of the pick into the lysis buffer. Inspect each tube under the microscope.

4. Alternatively, whole plate lysate can be prepared by pipetting 50-100uL lysis buffer onto a crowded plate, tilting, and transferring the liquid to a PCR tube.

5. Cap tubes and freeze for at least 5 minutes at -80°C.

6. Lyse the worms using the following thermocycling conditions. Lysates can be stored for months in the -20°C freezer.

Step	Temp	Time
Worm lysis	65°C	60 minutes
Proteinase K inactivation	95°C	20 minutes
Hold	4°C	

7.15 Experimental Molecular Genetics

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