

Rapid Isolation of Wild Nematodes by Baermann Funnel

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jove.com/video/63287

Materials

Name	Company	Catalog Number	Comments
1 L glass bottle	NA	NA	Step 1 - vessel for making plate media
1 mL pipette tips	any	NA	Step 1 - dispense worm media additives and seed plates
1 mL pipetter	any	NA	Step 1 - dispense worm media additives and seed plates
35 mm worm plates	Tritech	T3500	Step 1 - worm plates
4mm ID rubber tubing	Fisher	14178A	Step 3 - part of the funnel
60 mm worm plates	Greiner	628161	Step 1 - worm plates
65 mm Funnel	Fisher	22170156	Step 3 - part of the funnel
Calcium chloride	Fisher	C79-500	Step 1 - worm plate medium
Cooking pot	NA	NA	Step 1 - a water bath for melting the agar to pour plates
<i>E. coli</i> strain OP50	Caenorhabditis Genetics Center	OP50	Step 1 - worm food
Field microscope	OMAX	G223CS	Step 6 - for viewing worms in the field
Fly vial storage tray	Azer Scientific	ES-260T	Step 3 - to build a platform to hold 12 funnels
Hot plate or stove	NA	NA	Step 1 - to heat the water bath
Kimwipes	KimberlyClark	34120	Step 4 - filter for the funnels
LB media	Gibco	10855021	Step 1 - for growing OP50
Lighter	NA	NA	Step 6 - sterilize the worm pick
Magnesium sulfate	Fisher	M63-500	Step 1 - worm plate medium
NGM-lite agar	USBiological	N1000	Step 1 - worm plate medium
Parafilm M wrapping film	Fisher	13-374-10	Step 6 - pack worm plates for travel
Potassium phosphate dibasic	Fisher	BP363-500	Step 1 - worm plate medium
Potassium phosphate monobasic	Fisher	P285-3	Step 1 - worm plate medium
scalpel	NA	NA	Step 3 - cut holes for the funnels
scissors	NA	NA	Step 3 - cut the rubber tubing
Tape	NA	NA	Step 3 - tape the funnel holder together
Tubing clamps	Fisher	5869	Step 3 - part of the funnel

Worm pick	NA	NA	Step 6 - for isolating individual worms
Ziplock-style storage bags	NA	NA	Step 2 - to bag a substrate sample