

Materials List for:

# A Plate Competition Assay As a Quick Preliminary Assessment of Disease Suppression

Deborah A. Neher<sup>1</sup>, Thomas R. Weicht<sup>1</sup>

<sup>1</sup>Department of Plant and Soil Science, University of Vermont

Correspondence to: Deborah A. Neher at [dneher@uvm.edu](mailto:dneher@uvm.edu)

URL: <https://www.jove.com/video/58767>

DOI: [doi:10.3791/58767](https://doi.org/10.3791/58767)

## Materials

Name	Company	Catalog Number	Comments
autoclavable narrow-neck glass conical flask	Fisher Scientific	10-040D	125-mL
autoclavable glass testtubes	Fisher Scientific	14-925J	25-mL
dehydrated granulated agar	Fisher Scientific	DF0145-17-0	500 g quantity
heat resistant gloves	Fisher Scientific	MEMGG1314WL	several brands available
Parafilm (strips of 2-3 cm wide)	Fisher Scientific	PM992 13-374-16	5 or 10 cm widths work
disposable polystyrene petri dishes	Fisher Scientific	R80116	comes in sleeves of 20/ea or cases of 500
dehydrated potato dextrose agar	Fisher Scientific	DF0013-15-8	comes in quantities of 100, 500 and 2000 grams
benchtop reciprocal shaker	Thomas Scientific	1227Y31	other models will work
water bath	ThermoScientific	S37363	5L general purpose
clear ruler, flat, at least 10 cm	Any		use metric rule
ATCC culture	American Type Culture Collection	ATCC 10154	teleomorph <i>Thanatephorus cucumeris</i> (Frank) (ATCC 10154) or MYA 4031;
lab tape	Fisher Scientific	15935	autoclavable and removable, 1" wide preferred
water resistant marker	office or scientific supply	Sharpie fine tip	write sample number on tape