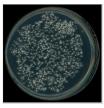
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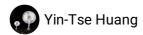




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Mycology media V.2



Mycology media

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1 WA+C agar

Water agar + chloramphenicol (氣黴素 kill bacteria): As an environmental isolating media

Α	В	
Component	Amount	
Agar	20g	
Chloramphenicol	0.05g	
DI water	1000 ml	

chloramphenicol is autoclavable

PDA+C agar

potato dextrose agar + chloramphenicol (氣黴素 kill bacteria): Use when WA+C agar is not



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Citation: Yin-Tse Huang Mycology media https://dx.doi.org/10.17504/protocols.io.e6nvw536wvmk/v2

working

Α	В	
Component	Amount	
PDA	39g (or per	
	instruction on	
	label)	
Agar	5g	
Chloramphenicol	0.05g	
DI water	1000 ml	

3 quarter-strength PDA

- 1. Less nutrient than regular PDA (1/4)
- 2. For beetle-associated fungi isolation

Α	В	
Component	Amount	
PDA	9.75g (or per	
	instruction on	
	label)	
Agar	5g	
DI water	1000 ml	

4 MEA (malt extraction agar) For isolate subculture

Α	В	
Component	Amount	
MEA	33.6g (or per	
	instruction on	
	label)	
Agar	5g	
DI water	1000 ml	

5 Emerson YpSs Agar: For chytrids

Α	В	
Component	Amount	
Yeast extract	4g	
Soluble Starch	15g	
K2HP04	1g	
MgS04 x 7H20	0.5g	
Agar	20g	
DI water	1000ml	

Adujust pH to 7.0 +/- 0.2. Autoclave at 121°C.

6 10% Unclarified V8 Agar

- 1. Combine 100 ml V8 juice and 900 ml of distilled water.
- 2. Add 1g CaCO₃ and 0.05 g b-sitosterol and mix well. Leave stir bar in the flask for later mixing.
- 3. Add 15g of agar.
- 4. Autoclave at 15 psi for 20 minutes.
- 5. Stir medium while dispensing to insure good mixing of CaCO₃.

20% : 200 ml V8, 800ml d. water, 2g CaCO3, and 0.05g b-sitosterol.

15%: 150 ml V8, 850 ml d. water, 1.5g CaCO₃, and 0.05g b-sitosterol.

Reference: Miller, P. M. 1955. V-8 juice agar as a general purpose medium for fungi and bacteria. Phytopathology 45:461-462.

7 SceSel+ medium (Kaltseis et al.,2009)

For isolation of Scedosporium

Α	В
Component	Amount
Malt extract	6.25 g
maltose	6.25 g
KH2P04	1.25 g
yeast extract	1 g
Magnesium Sulfate Heptahydrate	0.625 g
soy peptone	0.625 g
chloramphenicol	0.1 g
ciprofloxacin	0.1 g
streptomycin sulfate	0.1 g
dichloran	2 mg
benomyl	6 mg
DI water	1000ml

