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Mycology media V.2

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1 WA+C agar

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

A	B
Component	Amount
Agar	20g
Chloramphenicol	0.05g
DI water	1000 ml

chloramphenicol is autoclavable

2 PDA+C agar

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

working

A	B
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

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

4 MEA (malt extraction agar)

For isolate subculture

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

5 Emerson YpSs Agar: For chytrids

A	B
Component	Amount
Yeast extract	4g
Soluble Starch	15g
K ₂ HPO ₄	1g
MgSO ₄ x 7H ₂ O	0.5g
Agar	20g
DI water	1000ml

Adjust 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*

A	B
Component	Amount
Malt extract	6.25 g
maltose	6.25 g
KH ₂ PO ₄	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