

Chinese Synthetic media

Howard Judelson (7-2002)

Originally from:
Xu et al 1982
Acta Mycol Sinica 1:40-47

FOR ONE LITER

Mix together solution #1 (500 ml) and #2 (300 ml), bring volume to 1 liter with water, add agar if needed, autoclave, and then add filter-sterilized solution #3.

Solution #1

Glucose	20 g
(NH ₄) ₂ SO ₄	1.32 g
CaCl ₂ -H ₂ O	1.32 g
MgSO ₄ -7H ₂ O	0.5 g
KH ₂ PO ₄	0.7 g
K ₂ HPO ₄	0.3 g
Fe ₂ (SO ₄) ₃	0.01 g

Bring up to 500 mls with water, and pH to 4.6 with HCl.

Solution #2

Fumaric acid	2.32 g
--------------	--------

Mix with 300 ml water, and pH to 4.6 with 10N NaOH (it will not go into solution until the pH is adjusted).

Solution #3

MnSO ₄	50 mg
ZnSO ₄	50 mg
Thiamine	50 mg

Bring up to 100 ml, and filter sterilize. Store in freezer in 1 ml aliquots.