

Ashbya Gossypii Media

AFM-Medium (Ashbya full medium) for *A. gossypii*

10 g/l	Yeast extract	
10 g/l	Peptone 140	
12 g/l	Agar (Difco)	
20 g/l	Glucose (Autoclave separately, in 100ml water)	} Add before plating
1 g/l	Myo-Inositol (add 10 ml of 100X solution (filtrated))(stock: 100mg/l)	

AFM-Medium with Geneticine (G418) for *A. gossypii*

10 g/l	Yeast extract	
10 g/l	Peptone 140	
12 g/l	Agar (Difco)	
20 g/l	Glucose (Autoclave separately, in 100ml water)	} Add before plating
1 g/l	Myo-Inositol (add 10 ml of 100X solution (filtrated))(stock: 100mg/l)	
200 µg/ml	G418 (4ml of stock solution: 50mg/l) (Take care at the Potency!)	

Agar-Top-layer

6 g/l Agar

Spore buffer for *A. gossypii*

0,03 % (v/v) Triton X-100 in H₂O

Ashbya Minimal Medium (AMM) (2x conc. solution):

3.4g	YNB without aminoacids and without ammoniumsulfate
xg	CSM depend on requirements. Amount according to supplier
2g	Asparagine
2g	myo-Inositol
40g	Glucose
20mg	Adenine
21g	MOPS

adjust pH to 7.0 with 1M NaOH and sterilize by filtration.

From Course notes, 20.01.2002.

HA medium; Sporulation liquid medium for *A. gossypii*

Per liter

10g	glucose
1.5g	NH ₄ Cl
0.5g	Asparagine
0.2g	NaCl
0.4g	MgSO ₄ · 7H ₂ O
50mg	MnSO ₄ · H ₂ O
40mg	CaCl ₂ · 2H ₂ O
0.1g	myo-inositol

0.25g nicotinic acid amide

0.2g yeast extract

After Autoclave add 2g KH_2PO_4

According to Monschau et al (Threonine aldolase from Ashbya gossypii; Appl Environ Microbiol 1998, vol64)