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)
1 g/l Myo-Inositol (add 10 ml of 100X solution (filtrated)(stock: 100mg/l)

} Add before plating

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)
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!)

} Add before plating

Agar-Top-layer

6 g/l Agar

Spore buffer for *A. gossypii*

0,03 % (v/v) Triton X-100 in H_2O

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

3.4g YNB without aminoacids and without ammoniumsulfate
xg CSM dependend 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_4Cl
0.5g Asparagine
0.2g NaCl
0.4g $MgSO_4 . 7H_2O$
50mg $MnSO_4 . H_2O$
40mg $CaCl_2 . 2H_2O$
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)