

B152	CORN MEAL AGAR W/ DEXTROSE				
Formula					
Ingredients :			gms/lit.		
Corn meal, infusion from			50.00		
Dextrose (Glucose)			2.00		
Agar			15.00		
Final pH (at 25°C) :			6.0 ± 0.2		
Directions :					
Suspend 19 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
This is a general purpose medium used for the cultivation of fungi and for the study of Candida species for the chlamyospore production. Corn Meal Agar with Dextrose is used for the cultivation of commonly occurring as well as phytopathological fungi. The addition of dextrose enhances the chromogenesis of some species of Trichophyton. This infusion has enough nutrients to enhance the growth of fungi. Addition of dextrose to the medium supports more luxuriant growth of some fungi as compared to the medium without dextrose. Some Candida species lose their ability of chlamyospore formation by repeated subculturing.					
QC Tests – (I) Dehydrated Medium					
Colour :			Cream to yellow		
Appearance :			homogeneous coarse powder		
(II) Rehydrated medium					
pH (post autoclaving/heating) :			6.0 ± 0.2		
Colour (post autoclaving/heating) :			Light amber		
Clarity (post autoclaving/heating) :			Opalescent gel		
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 23-27°C for upto 4 days.					
MICROORGANISM (ATCC)		GROWTH	CHLAMYDOSPORES		
Aspergillus niger (16404)		Luxuriant	-		
Candida albicans (10231)		Luxuriant	+		
Saccharomyces uvarum (9080)		Luxuriant	-		
Saccharomyces cerevisiae(9763)		Luxuriant	-		
Precautions :					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
Limitations :					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
2. Corn Meal Agar with the addition of 1% Tween 80 should not be the only medium used for identification of C. albicans since C. stellatoidea and C. tropicalis also produce chlamyospores on this medium.					
3. Repeated suculture of some Candida strains will result in the reduced ability to form chlamyospores.					
Use :					
For production of chlamyospores by Candida albicans and the maintenance of stock cultures.					
Storage :					
Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.					
Packing :					
500 gm bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B152	19 g/l	26.31L	6.0 ± 0.2	Nil	121°C / 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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