

B473	CORN MEAL AGAR				
Formula					
Ingredients :					
	gms/lit.				
Corn meal, infusion from	50.00				
Agar	15.00				
Final pH (at 25°C) : 6.0 ± 0.2					
Directions :					
Suspend 17 grams in 1000 ml. distilled water. Boil to dissolve the medium completely. If desired add 1% polysorbate 80. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.					
Principle :					
This is a very simple formulation containing only cornmeal infusion and agar. However, this infusion has enough nutrients to enhance the growth of fungi. Polysorbate 80 is a mixture of oleic esters which activates the production of chlamyospore by <i>Candida albicans</i> , <i>Candida stellatoidea</i> and <i>Candida tropicalis</i> . Some <i>Candida</i> species lose their ability of chlamyospore formation by repeated subculturing.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Cream to light yellow			
	Appearance :	Coarse Free Flowing 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		
	<i>Aspergillus niger</i> (16404)	Luxuriant	-		
	<i>Candida albicans</i> (10231)	Luxuriant	+		
	<i>Saccharomyces uvarum</i> (28098)	Luxuriant	-		
	<i>Saccharomyces cerevisiae</i> (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 <i>C. albicans</i> since <i>C. stellatoidea</i> and <i>C. tropicalis</i> also produce chlamyospores on this medium.					
3. Repeated subculture of some <i>Candida</i> strains will result in the reduced ability to form chlamyospores.					
Use :					
For production of chlamyospores by <i>Candida albicans</i> 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
B473	17 g/l	29.41L	6.0 ± 0.2	1% polysorbate 80	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 BIOMARK LABORATORIES publications.

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