BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

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.	
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 chlamydospore by Candida albicans, Candida stellatoides and Candida tropicalis. Some Candida species lose their ability of chlamydospore 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) :	Cream to 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 chlamydospores on this medium.
	3. Repeated suculture of some Candida strains will result in the reduced ability to form chlamydospores.
Use :	For production of chlamydospores 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
B473	17 g/l	29.41L	6.0 ± 0.2	1% polysorbate 80	121^0C / 15 minutes