B474	**CORN MEAL PEPTONE YEAST AGAR**
Formula	
Ingredients :	**gms/lit.**
Cellulose	20.00
Dextrose	10.00
Peptic digest of animal tissue	10.00
Yeast Extract	4.00
Agar	20.00
Final pH (at 25°C) :	6.5 ± 0.2

Directions :

Suspend 64 gms in 1000 ml. distilled water. Boil to dissolve the medium completely. 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. 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 chlamydospore formation by repeated subculturing. Glucose supplemented Corn Meal Agar should not be used for chlamydospore production.

QC Tests – (I)Dehydrated Medium				
	Colour :	Cream to light yellow		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	6.5 ± 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 4 days at 25°C.			
	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 :	**B474:** For cultivation of fungi.
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
B474	64g/l	7.81L	6.5 ± 0.2	Nil	121^0C / 15 minutes