

**TECHNICAL SHEET**

<b>B979</b>	<b>CHLAMYDOSPORE AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>Gms/lit.</b>			
Ammonium sulphate		1.00			
Monopotassium phosphate		1.00			
Purified polysaccharide	20.00				
Trypan blue		0.10			
Biotin		0.000005			
Agar		15.00			
Final pH (at 25°C) : 5.1 ± 0.2					
<b>Directions :</b>					
Suspend 37.1 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Candida albicans always form chlamyospore on the particular media only. This is one of the criteria of Candida albicans for its easy identification. Other identification criteria include the budding elongated cells, fine spreading of mycelia from line of streak, fermentation of sugars and reduction of indicator.					
The medium contains trypan blue by which the chlamyospore can be better visualized under microscopic examination. Biotin and polysaccharide are the growth factors which stimulate chlamyospore formation. Potassium phosphate gives buffering action to the medium.					
<b>QC Tests – (I) Dehydrated Medium</b>					
	Colour :	Light yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	5.1 ± 0.2			
	Colour (post autoclaving/heating) :	Blue			
	Clarity (post autoclaving/heating) :	Opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 2 –6 days at 20-25°C.					
	MICROORGANISM (ATCC )	GROWTH	CHLAMYDOSPORES		
	Candida albicans (10231 )	Luxuriant	+		
	Candida tropicalis (1369 )	Luxuriant	-		
	Candida kruisii (24408 )	Luxuriant	-		
	Candida minosa	Luxuriant	-		
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	For differentiation of Candida albicans from other species of Candida on the basis of chlamyospore formation.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
<b>Packing :</b>	500 gm bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B979</b>	37.1g/l	13.477L	5.1 ± 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 BIOMARK LABORATORIES publications.

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