

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B710	SABOURAUD CYCLOHEXIMIDE CHLORAMPHENICOL AGAR					
Formula						
Ingredients :			gms/lit.			
Peptic digest of animal tissue			10.00			
Dextrose			20.00			
Cycloheximide			0.50			
Chloramphenicol			0.04			
Agar			15.00			
Final pH (at 25°C) :			6.8 ± 0.2			
Directions :						
Suspend 45.54 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes.Mix well and pour into sterile petri plates.						
Principle :						
Peptic digest of animal tissue is the source of nitrogenous growth factors while dextrose provides an energy source for the growth of microorganisms. The media can be rendered selective for fungi using different antibiotics such as Chloramphenicol and Cycloheximide which inhibit bacteria as well as some saprophytic and pathogenic fungi. This medium inhibit the fungi like Cryptococcus neoformans. Aspergillus, Nocardia, certain Candida species but allow the dermatophytes to grow well. Agar is the solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :			Ceam to light yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
pH (post autoclaving/heating) :			6.8 ± 0.2			
Colour (post autoclaving/heating) :			Light amber to light yellow			
Clarity (post autoclaving/heating) :			Clear to slightly opalescent			
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 2- 3 weeks at 25- 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Trichophyton mentagrophytes (9533)		Luxuriant				
Trychophyton rubrum (28191)		Luxuriant				
Candida albicans (10231)		Poor to Fair				
Aspergillus niger (16404)		None to poor				
Saccharomyces cerevisiae (9763)		None to poor				
Escherichia coli (25922)		Inhibited				
Precautions :		1. For Laboratory Use.				
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
		3. TOXIC. May caluse cancer. Possible risk of harm to the unborn child. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Blood, Nerves, Lymph Glands, Eyes.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		For selective isolation and cultivation of pathogenic fungi.				
Storage :		Dehydrated medium andprepared medium – Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B710	45.54g/l	10.979L	6.8 ± 0.2			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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