

B1491		CHLORAMPHENICOL YEAST GLUCOSE AGAR			
Formula					
Ingredients :		gms/lit.			
Yeast extract		5.00			
Dextrose		20.00			
Chloramphenicol		0.10			
Agar		14.90			
Final pH (at 25°C) : 6.6 ± 0.2					
Directions:					
Suspend 40 grams in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
Principle :					
The medium contains yeast extract, which provides nitrogenous nutrients and vitamin B complex. Dextrose is the energy source. Chloramphenicol, a thermostable antibiotic, suppresses accompanying bacterial flora. This improves shelf life of the prepared medium and the prepared medium can be used over a period of at least 4 months					
QC Tests – (I)Dehydrated Medium					
		Colour :			
		Cream to light yellow			
		Appearance :			
		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
		pH (post autoclaving/heating) :			
		6.6 ± 0.2			
		Colour (post autoclaving/heating) :			
		Cream to yellow			
		Clarity (post autoclaving/heating) :			
		Clear to slightly Opalescent gel			
(III)Q.C. Test Microbiological					
		Cultural characteristics observed after an incubation at 22-25°C for 2-5 days.			
		MICROORGANISM (ATCC)		GROWTH	
		Candida albicans (10231)		Good-luxuriant	
		Saccharomyces cerevisiae(9763)		Good-luxuriant	
		Aspergillus niger (16404)		Good-luxuriant	
		Escherichia coli (25922)		Inhibited	
		Staphylococcus aureus (25923)		Inhibited	
Precautions :		1. For Laboratory Use.			
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
		3. TOXIC. May cause 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 isolation and selective enumeration of yeasts and molds in milk and milk products. It is recommended by ISO committee as per specification ISO 7954:1987 and ISO 5403:1999			
Storage :		Dehydrated medium and prepared medium–Between 2 to 8°C.			
Packing :		500 gm bottle			
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement
B1491		40g/l	12.5L	6.6+0.2	nil
					121°C / 15 minutes

Refer disclaimer Overleaf

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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