

TECHNICAL SHEET

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 :	<ol style="list-style-type: none"> 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	Sterilization
B1491	40g/l	12.5L	6.6±0.2	nil	121°C / 15 minutes

Disclaimer:

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