

**TECHNICAL SHEET**

<b>B006</b>	<b>YEAST GLUCOSE CHLORMAPHENICOL AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Yeast extract		5.00				
Dextrose		20.00				
Chloramphenicol		0.10				
Agar		15.00				
Final pH (at 25°C) : 6.6 ± 0.2						
<b>Directions :</b>						
Suspend 40.1 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		6.6 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Slightly Opalescent gel				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after an i) Fungal-incubated at 25-30°C for 2-7 days ii) Bacteria-incubated at 35-37°C for 18-24 hours						
MICROORGANISM (ATCC )		GROWTH				
Candida albicans (10231 )		Luxuriant				
Saccharomyces cerevisiae(9763 )		Luxuriant				
Aspergillus niger (16404 )		Luxuriant				
Escherichia coli (25922)		Inhibited				
Staphylococcus aureus (25923)		Inhibited				
Lactobacillus casei (9595)		Inhibited				
<b>Precautions :</b>		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.				
<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 selective enumeration of yeasts and moulds in milk and milk products.				
<b>Storage :</b>		Dehydrated medium- below 8°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>B006</b>	40.01g/l	12.5L	6.6 ± 0.2	Nil	121°C/15 min.	

**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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