

TECHNICAL SHEET

B1304	DICHLORAN GLYCEROL (DG-18) AGAR BASE				
Formula					
Ingredients :		gms/l.			
Peptone		5.00			
Glucose		10.00			
Potassium dihydrogen orthophosphate		1.00			
Magnesium sulphate		0.50			
Dichloran		0.002			
Agar		15.00			
Final pH (at 25°C) : 5.6 ± 0.2					
Directions :					
Suspend 15.75 gms.in 500 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add sterile reconstituted contents of 1 vial of Chloramphenicol Selective Supplement (BF004). Mix well and pour into sterile petri plates.					
Principle :					
Dichloran Glycerol Medium is recommended for isolation and enumeration of xerophilic moulds from dried and semidried foods. The glycerol at 18% (w/w) lowers the water activity (a _w). Dichloran inhibits spreading of mucoraceous fungi and restricts colony size of other genera. Chloramphenicol inhibits gram-negative and gram -positive bacteria.					
QC Tests - (I)Dehydrated Medium					
	Colour :	Cream to light yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	5.6 ± 0.2			
	Colour (post autoclaving/heating) :	Medium amber			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after upto 6 days at 25°C.				
	MICROORGANISM (ATCC)	GROWTH			
	Mucor racemosus (42647)	Good - luxuriant			
	Saccharomyces cerevisiae (9763)	Good - luxuriant			
	Escherichia coli (25922)	Inhibited			
	Bacillus subtilis (6633)	Inhibited			
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 of xerophilic moulds from food samples.				
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1304	31.5g/l	15.87L	5.6 ± 0.2	Chloramphenicol Selective Supplement (BF004)	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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