

TECHNICAL SHEET

B1010	DICHLORAN MEDIUM BASE WITH ROSE BENGAL				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		5.00			
Dextrose		10.00			
Monopotassium phosphate		1.00			
Magnesium sulphate		0.50			
Rose bengal		0.025			
Dichloran		0.002			
Agar		15.00			
Final pH (at 25°C) : 5.6 ± 0.2					
Directions :					
Suspend 15.76 grams 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 Medium Base with Rose Bengal is formulated as described by King et al, which is a modification of Rose Bengal Chloramphenicol Agar. It is recommended for the selective isolation and enumeration of yeasts and moulds of importance in food spoilage. Dichloran inhibits spreading of moulds such as Rhizopus and Mucor. Chloramphenicol inhibits bacterial growth. Dichloran Medium Base with Rose Bengal is used along with Rose Bengal Chloramphenicol Agar where it is necessary to enumerate yeasts in the presence of moulds. Add 40ml of food sample to 200ml of 0.1% Peptone water and shake periodically for 30 minutes or process in stomacher for 30 seconds. Inoculate 0.1ml of this sample on Dichloran Medium Base with Rose Bengal. Report the number of colonies per gram of food.					
QC Tests - (I) Dehydrated Medium					
Colour :		Light yellow to pink			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		5.6 ± 0.2			
Colour (post autoclaving/heating) :		Pink			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added Chloramphenicol Selective Supplement (BF004), after an incubation at 25-30°C for upto 6 days.					
MICROORGANISM (ATCC)		GROWTH			
Mucor racemosus (42647)		Good-luxuriant			
Saccharomyces cerevisiae (9763)		Good-luxuriant			
Escherichia coli (25922)		Inhibited			
Bacillus subtilis (6633)		Inhibited			
Candida albicans (10231)		Good-luxuriant			
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 and enumeration of yeasts and moulds associated with food spoilage.				
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
B1010	31.52g/l	15.862L	5.6 ± 0.2	Chloramphenicol Selective Supplement(BF004)	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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