

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B150	COOKE ROSE BENGAL AGAR BASE				
Formula					
Ingredients :					
		gms/lit.			
Papaic digest of soyabean meal		5.00			
Dextrose		10.00			
Potassium dihydrogen phosphate		1.00			
Magnesium sulphate		0.50			
Rose Bengal		0.035			
Agar		20.00			
Final pH (at 25°C) : 6.0 ± 0.2					
Directions :					
Suspend 36.54 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. To increase the selectivity of the medium, add 35 mcg Chlortetracycline per ml of the medium.					
Principle :					
Cooke using Waksman medium showed that a combination of Chlortetracycline or Oxytetracycline with rose Bengal increases the selective action than use of rose Bengal alone or the dye with Streptomycin or Chloramphenicol.					
QC Tests – (I) Dehydrated Medium					
	Colour :	Light yellow to light pink			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	6.0 ± 0.2			
	Colour (post autoclaving/heating) :	Pink – red			
	Clarity (post autoclaving/heating) :	Slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 1 – 4 days at 25-30°C.					
	MICROORGANISM (ATCC)	GROWTH	GROWTH WITH CHLORTETRACYCLINE		
	Candida albicans (10231)	Luxuriant	Luxuriant		
	Saccharomyces cerevisiae (9763)	Luxuriant	Luxuriant		
	Aspergillus niger (16404)	Good	Good		
	Enterococcus faecalis (29212)	Inhibited	Inhibited		
	Escherichia coli (25922)	Luxuriant	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 and cultivation of fungi.				
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
B150	36.54g/l	13.68L	6.0 ± 0.2	35 mcg Chlortetracycline	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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