

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B925	ANTIBIOTIC ASSAY MEDIUM F				
Formula					
Ingredients:			gms/lit.		
Peptic digest of animal tissue (Peptone) 9.40					
Yeast extract 4.70					
Meat Extract B# 2.40					
Sodium chloride 10.00					
Dextrose 10.00					
Agar 23.50					
# Equivalent to Beef extract					
Final pH (at 25°C): 6.0 ± 0.2					
Directions:					
Suspend 60 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle:					
Peptic digest of animal tissue, yeast extract and beef extract provides nitrogenous source and other essential nutrients. Sodium chloride maintains the osmotic equilibrium. Dextrose is supplemented as a carbon and energy source.					
QC Tests – (I) Dehydrated Medium					
Colour:			Cream to yellow		
Appearance:			Homogeneous Free Flowing powder		
(II) Rehydrated medium					
pH (post autoclaving/heating) :			6.0 ± 0.2		
Colour (post autoclaving/heating):			Light yellow		
Clarity (post autoclaving/heating):			Clear to slightly opalescent		
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 30-37°C for 18-24 hours.					
MICROORGANISM (ATCC)		GROWTH		ANTIBIOTICS ASSAYED	
Saccharomyces cerevisiae (9763)		luxuriant		Amphotericin B , Nystatin	
Candida albicans (CIP1433-83)		luxuriant		Nystatin	
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:					
It is used for microbiological assay of Amphotericin B and Nystatin using Saccharomyces cerevisiae and Candida tropicalis .					
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
B925	60.0 g/l	8.33 L	6.0 ± 0.2	Nil	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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