

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B926	ANTIBIOTIC ASSAY MEDIUM G					
Formula						
Ingredients:			gms/lit.			
Peptone			9.40			
Yeast extract			4.70			
Meat extract B#			2.40			
Dextrose			10.00			
Sodium chloride			10.00			
Agar			23.50			
# Equivalent to Beef extract						
Final pH (at 25°C): 6.1 ± 0.1						
Directions:						
Suspend 60.0 grams in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
The nutrients essential for growth of test organism is provided by peptic digest of animal tissue, yeast extract and meat extract in this medium. Dextrose in the medium provides enhanced source of carbon and energy. Osmotic equilibrium in the medium is maintained by sodium chloride which retains the cell integrity and viability.						
QC Tests - (I) Dehydrated Medium						
Colour:			Cream to yellow			
Appearance:			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			6.1 ± 0.1			
Colour (post autoclaving/heating):			Yellow			
Clarity (post autoclaving/heating):			Clear to slightly opalescent			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 29-31°C for 48 hours.						
MICROORGANISM (ATCC)		GROWTH		ANTIBIOTICS ASSAYED		
Saccharomyces cerevisiae (2601)		luxuriant		Nystatin		
Saccharomyces cerevisiae (9763)		luxuriant		Amphotericin B		
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 the microbiological assay of Amphotericin B and Nystatin using Saccharomyces cerevisiae as the test organisms in accordance with Indian Pharmacopoeia.				
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
B926		60.0 g/l	8.33 L	6.1 ± 0.1	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 BIOMARK LABORATORIES publications.

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