

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BS013	ANTIBIOTIC ASSAY MEDIUM NO.19				
Formula					
Ingredients:			gms/lit.		
Peptic digest of animal tissue			9.40		
Yeast extract			4.70		
Meat extract B #			2.4		
Dextrose			10.00		
Sodium chloride			10.00		
Agar			23.50		
Equivalent to Beef extract					
Final pH (at 25°C) :			6.1 ± 0.2		
Directions :					
Suspend 60.0 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Nutrients and growth factors are supplied by the ingredient like Peptic digest of animal tissues, Dextrose as a sugar is also supplemented as a carbon and energy source.					
QC Tests - (I) Dehydrated Medium					
Colour :		Cream to light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating):		6.1 ± 0.2			
Colour (post autoclaving/heating) :		Light to medium 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 24-48 hours.					
MICROORGANISM (ATCC)		GROWTH		ANTIBIOTICS ASSAYED	
Saccharomyces cerevisiae (9763)		Luxuriant		Amphotericin B, Candicidin	
Saccharomyces cerevisiae (2601)		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 the microbiological assay of Amphotericin B, Candicidin and Nystatin using Saccharomyces cerevisiae as per USP/IP.			
Storage:		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.			
Packing :		500 gm bottle			
Product profile:		Reconstitution		Quantity on Preparation (500g)	
		60.0 g/l		8.33 L	
				pH (25°C)	
				6.1 ± 0.2	
				Supplement	
				Nil	
				Sterilization	
				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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