

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

BS007	ANTIBIOTIC ASSAY MEDIUM NO.8 (BASE AGAR W/LOW PH)				
Formula					
Ingredients:			gms/lit.		
Peptic digest of animal tissue			6.00		
Yeast extract			3.00		
Meat extract B#			1.50		
Agar			15.00		
# Equivalent to Beef extract					
Final pH (at 25°C):			5.9 ± 0.2		
Directions:					
Suspend 25.5 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. Advice: Recommended for the microbiological assay of Oxytetracycline, Tetracycline and Vancomycin.					
Principle:					
Nutrients and growth factors are supplied by the ingredients like Peptic digest of animal tissues, Yeast extract and Beef extract etc. Agar is the solidifying agent. These media are prepared according to the specifications detailed in the USP (6) and FDA (5).					
QC Tests – (I) Dehydrated Medium					
Colour:			Cream to yellow		
Appearance:			Homogeneous Free Flowing powder		
(II) Rehydrated medium					
pH (post autoclaving/heating):			5.9 ± 0.2		
Colour (post autoclaving/heating):			Light amber		
Clarity (post autoclaving/heating):			Slightly opalescent		
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		INHIBITION ZONE WITH	
Bacillus subtilis (6633)		Luxuriant		Mitomycin, Vancomycin	
Bacillus cereus var mycoides (11778)		Luxuriant		Oxytetracycline, Tetracycline	
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 Oxytetracycline, tetracycline and Vancomycin.					
Storage:					
Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.					
Packing:					
500 gm bottle					
Product profile:		Quantity on Preparation (500g)		Sterilization	
BS007		25.5 g/l		19.60 L	
		5.9±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 BIOMARK LABORATORIES publications.

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