

TECHNICAL SHEET

BS005	ANTIBIOTIC ASSAY MEDIUM NO.5 (STREPTOMYCIN ASSAY AGAR W/ YEAST EXTRACT)					
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) :		7.9 ± 0.2				
Directions :						
Suspend 25.5 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 ingredients like Peptic digest of animal tissues, Yeast extract, Beef extract etc. Agar is the solidifying agent.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		7.9 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium 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)		Good - Luxuriant	Dihydrostreptomycin, Framycetin, Kanamycin 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 microbiological assay of Dihydrostreptomycin, Framycetin and Kanamycin B using Bacillus subtilis 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)	pH (25°C)	Supplement	Sterilization
BS005		25.5 G/L	19.60 L	7.9± 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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