

TECHNICAL SHEET

BS010	ANTIBIOTIC ASSAY MEDIUM NO.11(NEOMYCIN, ERYTHROMYCIN ASSAY AGAR) (ERYTHROMYCIN SEED AGAR)		
Formula			
Ingredients:		gms/lit.	
Peptic digest of animal tissue		6.00	
Casein enzymic hydrolysate		4.00	
Yeast extract		3.00	
Meat extract B#		1.50	
Dextrose		1.00	
Agar		15.00	
# Equivalent to Beef extract			
Final pH (at 25°C) :		8.3± 0.2	
Directions :			
Suspend 30.5 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.Cool to 45-50°C. Mix well and pour into sterile Petri plates or as desired.			
Advice: Recommended for the microbiological assay of Erythromycin, Gentamycin, Neomycin, Sisomycin, Netilmicin and Paromomycin.			
Principle :			
Nutrients and growth factors are supplied by the ingredients like Peptic digest of animal tissues, Casein hydrolysate,Yeast extract and Beef extract etc. Dextrose as a sugar is also supplemented as a carbon and energy source. Agar is the solidifying agent.			
QC Tests - (I)Dehydrated Medium			
Colour :		Cream to yellow	
Appearance :		Homogeneous Free Flowing powder	
(II)Rehydrated medium			
pH (post autoclaving/heating):		8.3 ± 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 18-24 hrs. at 35-37°C.			
MICROORGANISM (ATCC)	GROWTH	ANTIBIOTICS ASSAYED	
Micrococcus luteus (9341)	Luxuriant	Erythromycin	
Staphylococcus aureus (6538)	Luxuriant	Kanamycin monosulphate,Kanamycin acid sulphate, Netilmicin sulphate	
Staphylococcus epidermidis (12228)	Luxuriant	Gentamicin, Neomycin,Netilmicin,Paromomycin, Sisomycin	
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:	Antibiotic Assay Medium No.11 is used for microbiological assay of antibiotics in accordance with United States Pharmacopoeia.		
Storage:	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.		

Refer disclaimer Overleaf

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Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
BS010	30.5 G/L	16.39 L	8.3 ± 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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