

TECHNICAL SHEET

BS009	ANTIBIOTIC ASSAY MEDIUM NO.10 (POLYMYXIN SEED AGAR)				
Formula					
Ingredients:			gms/lit.		
Casein enzymic hydrolysate			17.00		
Papaic digest of soyabean meal			3.00		
Dextrose			2.50		
Sodium chloride			5.00		
Dipotassium hydrogen phosphate			2.50		
Agar			12.00		
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 42 grams in 1000 ml purified / distilled water containing 10 ml Polysorbate 80. 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 dispense as desired.					
Principle :					
Nutrients and growth factors are supplied by the ingredients like Casein enzymic hydrolysate and Vetc. Sodium chloride maintains the osmotic equilibrium. Phosphate is included for good buffering action. Dextrose is 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):			7.2 ± 0.2		
Colour (post autoclaving/heating) :			Medium amber		
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		Antibiotic assayed	
Pseudomonas aeruginosa (25619)		Luxuriant		Carbenicillin	
Bordetella bronchiseptica (4617)		Luxuriant		Polymyxin B, Colistimethate sodium, Colistin	
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 as seed layer medium for assaying the products containing Polymyxin B, also for assaying Carbenicillin, Colistin and Colistimethate Sodium.					
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
BS009	42.0 g/l	11.904 L	7.2±0.2	Nil	121°C / 15 minutes

Refer disclaimer Overleaf

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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