

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. 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)	Inoculum (CFU)	GROWTH	Recovery	ANTIBIOTICS ASSAYED
	Pseudomonas aeruginosa (25619)	50-100	Luxuriant	>=50%	Carbenicillin
	Bordetella bronchiseptica (4617)	50-100	Luxuriant	>=50%	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:	Recommended as a 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

Disclaimer:

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