

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. 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 ⁰ 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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