

B1246	POLYMYXIN SEED AGAR (ANTIBIOTIC ASSAY MEDIUM NO.10)					
Formula						
Ingredients:		gms/lit.				
Casein enzymic hydrolysate		17.00				
Papaic digest of soyabean meal		3.00				
Dextrose		2.50				
Sodium chloride		5.00				
Dipotassium phosphate		2.50				
Agar		12.00				
Final pH (at 25°C) :		7.2 ± 0.2				
Directions :						
Suspend 42 grams in 1000 ml 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.						
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 light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium amber				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH		INHIBITION ZONE WITH		
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 as per				
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
B1246		42.0 g/l	11.904 L	7.2±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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