

**TECHNICAL SHEET**

<b>BS008</b>	<b>ANTIBIOTIC ASSAY MEDIUM NO.9 (POLYMYXIN BASE AGAR)</b>				
<b>Formula</b>					
<b>Ingredients:</b>			<b>gms/lit.</b>		
Casein enzymic hydrolysate			17.00		
Papaic digest of soyabean meal			3.00		
Dextrose			2.50		
Sodium chloride			5.00		
Dipotassium phosphate			2.50		
Agar			20.00		
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 50.0 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Nutrients and growth factors are supplied by the ingredients like Casein enzymic hydrolysate and Papaic digest of soyabean meal etc. 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.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Cream to light yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating):		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Cream to light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18-24 hrs. at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		INHIBITION ZONE WITH	
Bordetella bronchiseptica (4617)		Good		Colistimethate sodium, Colistin, Polymyxin B	
Pseudomonas aeruginosa (25619)		luxuriant		Carbenicillin	
Pseudomonas aeruginosa (27853)		luxuriant		Carbenicillin	
<b>Precautions :</b>					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
<b>Limitations :</b>					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
<b>Use:</b>					
It is used as base layer medium for assaying products containing Polymyxin B.as per USP/IP.					
<b>Storage:</b>					
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.					
<b>Packing :</b>					
500 gm bottle					
<b>Product profile:</b>		Reconstitution		Quantity on Preparation (500g)	
<b>BS008</b>		50.0 g/l		9.61 L	
		pH (25°C)		Supplement	
		7.2 ± 0.2		Nil	
		Sterilization			
				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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