

<b>B1135</b>	<b>ANTIBIOTIC ASSAY MEDIUM B</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Casein enzymichydrolysate		17.00			
Papaic digest of soyabean meal		3.00			
Sodium chloride		5.00			
Dipotassium hydrogen phosphate		2.50			
Dextrose		2.50			
Agar		15.00			
Final pH (at 25°C): 7.3± 0.2					
<b>Directions:</b>					
Suspend 45.0 grams in 1000 ml distilled water containing 10ml Polysorbate 80. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Adjust the pH of the medium, using freshly prepared buffer solution.					
<b>Principle:</b>					
Casein enzymichydrolysate and papaic digest of soyabean meal provides essential nutrients for the growth of test organisms. Dextrose provides fermentable source of carbon, and enhances the growth of test organisms. Phosphates in the medium enhances buffering action and sodium chloride maintains osmotic equilibrium. It is recommended by various pharmacopoeia					
<b>QC Tests - (I)Dehydrated Medium</b>					
	Colour:	Cream to yellow			
	Appearance:	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.3± 0.2			
	Colour (post autoclaving/heating):	Light amber			
	Clarity (post autoclaving/heating):	Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.				
	MICROORGANISM (ATCC)	GROWTH	ANTIBIOTICS ASSAYED		
	Bordetellabronchiseptica (4617)	luxuriant	Colistimethate sodium		
	Escherichia coli (10536)	luxuriant	Colistimethate sodium		
<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 for the microbiological assay of Colistimethate sodium using Bordetella bronchiseptica ATCC 4617 and Escherichia coli ATCC 10536.				
<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)	pH (25°C)	Supplement	Sterilization
<b>B1135</b>	45.0g/l	9.09L	7.3 ± 0.2	Nil	121°C / 15 minutes

**Disclaimer:**

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