

TECHNICAL SHEET

BS021	ANTIBIOTIC ASSAY MEDIUM NO.38					
Formula						
Ingredients:		gms/lit.				
Peptic digest of animal tissue		15.00				
Papaic digest of soyabean meal		5.00				
Dextrose		5.50				
Sodium chloride		4.00				
L-Cystine		0.70				
Sodium sulphite		0.20				
Agar		15.00				
Final pH (at 25°C) :		7.0 ± 0.2				
Directions :						
Suspend 45.4 gms in 1000ml. distilled water. Heat 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 Peptic digest of animal tissues and Papaic digest of soyabean meal. Sodium chloride maintains the osmotic equilibrium. Dextrose as a sugar is also supplemented as 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):		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to light yellow				
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		ANTIBIOTICS ASSAYED		
Pseudomonas aeruginosa (29336)		Luxuriant		Ticarcillin		
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 for microbiological assay of Ticarcillin using Pseudomonas aeruginosa as per USP/IP.				
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
BS021		45.4 g/l	11.01 L	7.0 ± 0.2	Nil	121°C / 15 minutes

Disclaimer:

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