

TECHNICAL SHEET

BS024	ANTIBIOTIC ASSAY MEDIUM NO.36		
Formula			
Ingredients:	gms/lit.		
Casein enzymic hydrolysate	15.00		
Papaic digest of soyabean meal	5.00		
Sodium chloride	5.00		
Agar	15.00		
Final pH (at 25°C) :	7.3 ± 0.2		
Directions :			
Suspend 40.0 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired aseptically add 5% v/v defibrinated blood in previously cooled medium at 45 - 50°C. Mix well before pouring.			
Principle :			
Nutrients and growth factors are supplied by the ingredients like Casein hydrolysate & Papaic digest of soyabean meal. 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):	7.3 ± 0.2		
Colour (post autoclaving/heating) :	Light amber to light yellow		
Clarity (post autoclaving/heating) :	Clear to slightly opalescent. After addition of 5-7%w/v sterile defibrinated blood : Cherry red		
(III) Q.C. Test Microbiological			
Cultural characteristics observed with added 5-7%w/v sterile defibrinated blood after an incubation at 35-37°C for 18-48 hours.			
MICROORGANISM (ATCC)	GROWTH	GROWTH W/ BLOOD	
Growth at 30-35°C for <= 3 days			
Bacillus subtilis (6633)	luxuriant	luxuriant	
Staphylococcus aureus (25923)	luxuriant	luxuriant	
Staphylococcus aureus (6538)	luxuriant	luxuriant	
Escherichia coli (25922)	luxuriant	luxuriant	
Escherichia coli (8739)	luxuriant	luxuriant	
Escherichia coli(NCTC9002)	luxuriant	luxuriant	
Pseudomonas aeruginosa (27853)	luxuriant	luxuriant	
Pseudomonas aeruginosa (9027)	luxuriant	luxuriant	
Salmonella Abony (6017)	luxuriant	luxuriant	
Micrococcus luteus (9341)	luxuriant	luxuriant	
Salmonella Typhimurium (14028)	luxuriant	luxuriant	
Streptococcus pneumonia (6305)	luxuriant	luxuriant	
Growth at 20-25°C for <= 5 days			
Aspergillus brasiliensis (16404)	luxuriant	luxuriant	
Candida albicans (2091)	luxuriant	luxuriant	
Candida albicans (10231)	luxuriant	luxuriant	

Refer disclaimer Overleaf

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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 a general purpose medium for cultivation of a wide variety of fastidious microorganisms.				
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
BS024	40.0 g/l	12.5 L	7.3 ± 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 BIOMARKLABORATORIES publications.

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