

TECHNICAL SHEET

B395	ACTINOMYCES ISOLATION AGAR				
Formula					
Ingredients :		gms/lit.			
Sodium caseinate		2.00			
L-Asparagine		0.10			
Sodium propionate		4.00			
Dipotassium phosphate		0.50			
Magnesium sulphate		0.10			
Ferrous sulphate		0.001			
Agar		15.00			
Final pH (at 25°C) : 8.1 ± 0.2					
Directions :					
Suspend 22 gms. in 1000 ml. distilled water containing 5.0 ml. glycerol. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Actinomycete isolation agar contains sodium caseinate which is source of nitrogen. Asparagine is an amino acid and a source of organic nitrogen. Sodium peptone is a substrate used in aerobic fermentation. Dipotassium phosphate provides buffering capability to maintain pH balance. Magnesium sulphate and Ferrous sulphate provide sources of sulphates and metallic ions. Agar is the solidifying agent. The added glycerol is a source of carbon.					
QC Tests - (I) Dehydrated Medium					
Colour :		Cream to light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		8.1 ± 0.2			
Colour (post autoclaving/heating) :		Cream to yellow			
Clarity (post autoclaving/heating) :		Opalescent gel			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs. at 30°C.					
MICROORGANISM (ATCC)		GROWTH			
Streptomyces albus (3004)		Good - luxuriant			
Streptomyces lavendulae (8664)		Good - luxuriant			
Nocardia asteroides (19247)		Good - luxuriant			
Escherichia coli (25922)		Inhibited			
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 :					
For isolation and propagation of Actinomycetes from soil and water.					
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
B395	22.00 g/l	22.72 L	8.1 ± 0.2	Nil	121°C /15 min.

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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