

TECHNICAL SHEET

B1262	STREPTOMYCES AGAR				
Formula					
Ingredients :		gms/lit.			
Malt extract		10.00			
Yeast extract		4.00			
Dextrose		4.00			
Calcium carbonate		2.00			
Agar		12.00			
Final pH (at 25°C) : Self					
Directions :					
Suspend 32.00 grams in 1000 ml distilled water. Heat just to boiling. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.					
Principle :					
Malt extract provides acidic environment and nutrients required for metabolism. Yeast extract, dextrose provide essential nutrients for the growth of Actinomycetes. Calcium carbonate is the source of essential cations for growth.					
QC Tests – (I)Dehydrated Medium					
	Colour :		Cream to yellow		
	Appearance :		Homogeneous Free Flowing powder		
(II)Rehydrated medium					
	PH (post autoclaving/heating) :		Self		
	Colour (post autoclaving/heating) :		Yellow		
	Clarity (post autoclaving/heating) :		opalescent gel		
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 25-30°C for 5 days.				
	MICROORGANISM(ATCC)		GROWTH		
	Streptomyces kanamyceticus (12853)		luxuriant		
	Streptomyces lavendulae (8664)		luxuriant		
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 recommended for the cultivation and maintenance of Streptomyces .			
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
B1262	32.0 g/l	15.625 L	Self	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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