

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