

B393		ACTINOMYCES AGAR				
Formula						
Ingredients :		gms/lit.				
Beef heart infusion, solids		10.00				
Tryptose		10.00				
Casein enzymic hydrolysate		4.00				
Yeast extract		5.00				
Dextrose		5.00				
L-cysteine hydrochloride		1.00				
Starch, soluble		1.00				
Sodium chloride		5.00				
Monopotassium phosphate		15.00				
Ammonium sulphate		1.00				
Magnesium sulphate		0.20				
Calcium chloride		0.02				
Agar		20.00				
Final pH (at 25°C) :		6.9 ± 0.2				
Directions :						
Suspend 77.22 grams in 1000ml distilled water. Boil to dissolve the medium completely. Distribute into tubes or flasks. Sterilize by autoclaving at 15 lbs pressure (121 °C) for 15 minutes.						
Principle :						
Beef heart infusion, casein enzymic hydrolysate, yeast extract, starch and dextrose act as sources of carbon, nitrogen, sulphur, vitamins and other growth factors and metallic salts provides essential electrolytes and minerals. 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) :		6.9 ± 0.2				
Colour (post autoclaving/heating) :		Yellow to light amber				
Clarity (post autoclaving/heating) :		Slightly opalescent gel with slight precipitate				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 25-30°C for 40-72 hours						
MICROORGANISM (ATCC)		GROWTH				
Streptomyces achromogenes (12767)		Good				
Streptomyces albus (3004)		Good				
Streptomyces lavendulae (8664)		Good				
*Actinomyces israelii (10049)		Luxuriant				
*Actinomyces bovis (13683)		Good				
Key * - incubated anaerobically						
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 the cultivation and maintenance of the anaerobic Actinomyces species.				
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
B393		77.22 g/l	6.47 L	6.9 ± 0.2	None	121°C/15 min.