

B394		ACTINOMYCES BROTH			
Formula					
Ingredients :		gms/lit.			
Meat 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			
Final pH (at 25°C) :		7.2 ± 0.2			
Directions :					
Suspend 57.22 gms 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.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Brownish yellow			
Clarity (post autoclaving/heating) :		Slightly opalescent solution with slight precipitate			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 40-72 hrs. at 25-30°C.(*= incubated anaerobically)					
MICROORGANISM (ATCC)		GROWTH			
Streptomyces achromogenes (12767)		Good			
Streptomyces albus (3004)		Good			
Streptomyces lavendulae (8664)		Good			
*Actinomyces israelii (10049)		Luxuriant			
*Actinomyces bovis (13683)		Good			
Precautions :		1. For Laboratory Use.			
Limitations :		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
Use :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.			
Storage :		For cultivation and maintenance of aerobic Actinomyces species.			
Packing :		Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.			
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Sterilization
B394		57.22 g/l	8.73 L	7.2±0.2	None
					121 ⁰ 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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