

<b>B394</b>		<b>ACTINOMYCES BROTH</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
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				
<b>Directions :</b>						
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.						
<b>Principle :</b>						
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.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Brownish yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent solution with slight precipitate				
<b>(III) Q.C. Test Microbiological</b>						
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				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For cultivation and maintenance of aerobic Actinomyces species.				
<b>Storage :</b>		Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B394</b>		57.22 g/l	8.73 L	7.2±0.2	None	121°C/15 min.

**Disclaimer:**

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