

**TECHNICAL SHEET**

<b>B393</b>	<b>ACTINOMYCES AGAR</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			
Agar			20.00			
#- Equivalent to Beef heart infusion, solids						
Final pH (at 25°C) :			6.9 ± 0.2			
<b>Directions :</b>						
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.						
<b>Principle :</b>						
Meat 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.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
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				
<b>(III) Q.C. Test Microbiological</b>						
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						
<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 the cultivation and maintenance of the anaerobic 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>B393</b>	77.22 g/l	6.47 L		6.9 ±0.2	Nil	121°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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