

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B697	Mn AGAR					
Formula						
Ingredients :		gms/lit.				
MeatextractB#		1.00				
Yeast extract		0.075				
Manganous carbonate		2.00				
Ferrous ammonium sulphate		0.15				
Sodium citrate		0.15				
Agar		12.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : Self						
Directions :						
Suspend 15.4 gms. in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50-55°C and aseptically add filter sterilized solution of Cyanocobalamin to a final concentration of 0.005 mg/litre.						
Principle :						
Meat extract B and yeast extract supply the essential growth nutrients. Leptothrix – Sphaerotilus derive energy by oxidation of ferrous sulphate.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 -48 hrs. at 25°C.						
MICROORGANISM (ATCC)		GROWTH	MANGANOUS OXIDATION			
Sphaerotilus natans (13338)		Good	-			
Leptothrix (Sphaerotilus discophorous)		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 :		For detection of Leptothrix species by its ability to oxidize manganous ion.				
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
B697	15.4g/l	32.46L	SELF	Cyanocobalamin	121°C / 15 minutes	

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 BIOMARK LABORATORIES publications.

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