

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B101	A C AGAR					
Formula						
Ingredients :			gms/lit.			
Proteose peptone			20.00			
Meat Extract B#			3.00			
Yeast extract			3.00			
Malt extract			3.00			
Dextrose			5.00			
Ascorbic acid			0.20			
Agar			1.00			
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 35.2 grams in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Distribute in tubes or bottles to give the desired depth and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If the medium is not used on same day, it is advisable to drive off dissolved gases by boiling or steaming in the autoclave and cool without agitation						
Principle:						
Proteose peptone, Meat Extract B, yeast extract and malt extract serve as the carbon and nitrogen sources in addition to being a source of vitamins and cofactors. Dextrose serves as the fermentable carbohydrate source of energy. Ascorbic acid in the media helps to improve the clarity of the medium						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Clostridium perfringens* (12919)		Luxuriant				
Neisseria meningitidis (13090)		Luxuriant				
Streptococcus pneumoniae (6303)		Luxuriant				
Streptococcus mitis (9895)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Escherichia coli (25922)		Luxuriant				
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 cultivation of wide variety of microorganisms especially for sterility testing.				
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
B101	35.20 g/l	14.20 L	7.2 ± 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 BIOMARK LABORATORIES publications.

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