BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B101	**A C AGAR**
Formula	
Ingredients :	**gms/lit.**
Proteose peptone	20.00
Beef extract	3.00
Yeast extract	3.00
Malt extract	3.00
Dextrose	5.00
Ascorbic acid	0.20
Agar	1.00
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, beef extract, 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) :	Light to 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	None	121^0C /15 min.