

TECHNICAL SHEET

B102	A C BROTH					
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			
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 34.2 grams in 1000 ml of purified / distilled water. Heat if necessary 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 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 solution			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours (Clostridium species incubated anaerobically).						
MICROORGANISM (ATCC)			GROWTH			
Clostridium perfringens* (12919)			Luxuriant			
Neisseria meningitidis (13090)			Luxuriant			
Streptococcus pneumoniae (6303)			Luxuriant			
Streptococcus mitis (9811)			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 common aerobes and sterility testing of solutions and biological products without mercurial preservatives.				
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
B102		34.20 g/l	14.62 L	7.2± 0.2	Nil	121°C /15 min.

Refer disclaimer Overleaf

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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