

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B402	ANAEROBIC AGAR WITHOUT DEXTROSE					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		17.50				
Sodium chloride		2.50				
Sodium thioglycollate		2.00				
Sodium formaldehyde sulphoxylate		1.00				
Methylene blue		0.002				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 38 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
This medium is devoid of dextrose Casein enzymic hydrolysate is the only source of nutrient present. Other peptones, rich in carbohydrates like yeast extract or papaic digest of soyabean meal are not used in this medium as this medium favours distinct haemolytic reactions. Additions of sodium thioglycollate and sodium formaldehyde sulphoxylate create conditions necessary for cultivation of anaerobic bacteria which is indicated by methylene blue dye present in 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) :	Light amber				
	Clarity (post autoclaving/heating) :	clear to slightly opalescent gel forms in Petri plates that becomes greenish due to aeration on standing.				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 48 hrs. at 35-37°C when incubated anaerobically.						
	MICROORGANISM (ATCC)	GROWTH				
	Clostridium botyricum (9690)	Luxuriant				
	Clostridium perfringens (12919)	Luxuriant				
	Clostridium sporogenes (11437)	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 carbohydrate fermentation studies.				
Storage :		Dehydrated medium-below30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B402		38.00 g/l	13.15 L	7.2 ± 0.2	Nil	121 ⁰ 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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