

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B418	MEAT EXTRACT B AGAR					
Formula						
Ingredients:		gms/lit.				
Peptone		10.00				
Meat Extract B#		3.00				
Sodium chloride		5.00				
Agar		15.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 33.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour the medium in sterile Petri plates.						
Principle :						
It contains Meat Extract Band peptone as a source of nitrogen and carbon while sodium chloride acts as a source of electrolytes. It can be used as a general purpose nutrient medium and is also recommended for preparation of pure culture of Candida species before carrying out fermentation studies. Agar is the solidifying agent.						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		Cream to yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 48 hours at 35-37° C.						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		Luxuriant				
Staphylacoccus aureus (25923)		Luxuriant				
Candida albicans (10231)		Luxuriant				
Salmonella typhi (6539)		Luxuriant				
Pseudomonas aeruginosa (27853)		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 routine cultivation of non-fastidious bacteria.				
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
B418		33g/l	15.151L	7.6 ± 0.2	NIL	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 BIOMARKLABORATORIES publications.

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