

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B413	B.Y.E. AGAR				
Formula	B413				
Ingredients :	gms/lit.				
Proteose peptone	10.00				
Meat brain, infusion from	200.00				
Meat heart, infusion from#	250.00				
Dextrose	2.00				
Sodium chloride	5.00				
Disodium phosphate	2.50				
Yeast extract	2.00				
Agar	13.00				
# Equivalent to Beef heart infusion from					
Final pH (at 25°C) : 7.9 ± 0.2					
Directions :					
Suspend 52 gms. in 850 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and add 150 ml of sterile human or animal blood or serum. Mix gently and pour into plates.					
Principle :					
These media can be used for isolation of PPLOS from urethritis, penile ulcerations and cervical specimens and L-forms of Corynebacterium, Neisseria, and Streptococcus. These are also used for detecting PPLO contamination of tissue culture and cell – lines and for membrane filter work in BYE Broth PPLOS, grow at the bottom of the broth as a fine flocculum.					
QC Tests – (I)Dehydrated Medium					
Colour :	Cream to light yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.9 ± 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 5- 10 days at 35-37°C under humidified anaerobic conditions.					
MICROORGANISM (ATCC)	GROWTH				
Mycoplasma bovis (25523)	Good – luxuriant				
Mycoplasma gallinarium (19708)	Good – luxuriant				
Mycoplasma pneumoniae (15531)	Good – luxuriant				
Streptococcus pneumoniae (6303)	Good – 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 cultivation and routine studies of distribution of Mycoplasmas or Pleuropneumonia like organisms (PPLOS) and L-forms of 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	
B413	52g/l	9.6 15L	7.9 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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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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