

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B404	ANAEROBIC TRYPTONE SOYA AGAR				
Formula					
Ingredients :	gms/lit.				
Casein enzymic hydrolysate	15.00				
Papaic digest of soyabean meal	5.00				
Yeast extract	5.00				
Sodium chloride	5.00				
L-Cysteine	0.40				
Vitamin K1	0.01				
Hemin	0.005				
Agar	20.00				
Final pH (at 25°C) : 7.5 ± 0.2					
Directions :					
Suspend 50.4 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121C) for 15 minutes. Cool and pour into plates or tubes as desired. It is recommended that medium be reduced by keeping in anaerobic jar-incubator for 24 hours before use.					
Principle :					
Anaerobic Tryptone Soya Agar is highly nutritious medium due to casein enzymic hydrolysate, papaic digest of soyabean meal, yeast extract. Hemin and vitamin K1 stimulates growth of fastidious organisms as Bacteroides species. L-cysteine acts as a nutrient and also helps for anaerobic conditions.					
QC Tests – (I)Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.5 ± 0.2				
Colour (post autoclaving/heating) :	Cream to light amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 48 hrs. at 35-37°C, incubated anaerobically.					
MICROORGANISM (ATCC)	GROWTH				
Bacteroides fragilis (25285)	luxuriant				
Bacteroides melaninogenicus (15930)	luxuriant				
Peptostreptococcus anaerobius (27337)	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 screening Anaerobes in cosmetic products.				
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
B404	50.40 g/l	9.92 L	7.5 ± 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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