

TECHNICAL SHEET

B376	SABHI AGAR BASE				
Formula					
Ingredients :		gms/lit.			
Calf brain,infusion from		100.00			
Beef heart,infusion from		125.00			
Proteose peptone		5.00			
Peptone,special		5.00			
Dextrose		21.00			
Sodium chloride		2.50			
Disodium phosphate		1.25			
Agar		15.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 29.5 gms. in 500ml. distilled water and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50-55°C and aseptically add rehydrated contents of 1 vial of Chloramphenicol Selective Supplement (BF004). Mix well and dispense into sterile tubes or plates and allow to solidify. Let the tubes solidify in the slanted position. To prepare blood agar, add and mix 10% sterile sheep or human blood before dispensing into sterile tubes or plates.					
Principle :					
Calf brain infusion, beef heart infusion, proteose peptone, peptone special provides nitrogenous nutrients, carbon, sulphur and trace elements essential for fungal growth. Dextrose provides energy to the microorganisms. Sodium chloride maintains osmotic balance. Incorporation of a broad spectrum antibiotic like Chloramphenicol inhibits many gram – negative bacteria. Some fungi may be inhibited by the antibiotics in the selective medium.					
QC Tests – (I)Dehydrated Medium					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		a) Basal medium : Yellow b) With the addition of 10% v/v blood : Cherry red			
Clarity (post autoclaving/heating) :		a) Clear b) Opaque			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 40 - 48 hrs at 25 - 30°C.					
MICROORGANISM (ATCC)		GROWTH W/O BLOOD*		GROWTH W/ BLOOD*	
Candida albicans (10231)		Good – luxuriant		Luxuriant	
Saccharomyces cerevisiae (9763)		Good – luxuriant		Luxuriant	
Saccharomyces uvarum (9080)		Good – luxuriant		Luxuriant	
Aspergillus niger (16404)		Good		Good	
Escherichia coli (25922)		Inhibited		Inhibited	
Staphylococcus aureus (25923)		Inhibited		Inhibited	
Key : * = after addition of Chloramphenicol (100 mcg/ml medium)					
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 isolation of pathogenic fungi especially dematophytes.					
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
B376	59g/l	8.474L	7.0 ± 0.2	1 vial of Chloramphenicol Selective Supplement (BF004).	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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