

TECHNICAL SHEET

B1046	FUNGI KIMMIG AGAR BASE				
Formula					
Ingredients :		Gms/lit.			
Peptic digest of animal tissue	9.30				
Casein acid hydrolysate	4.30				
Sodium chloride		11.40			
Dextrose		10.00			
Agar		15.00			
Final pH (at 25°C) : 6.5 ± 0.2					
Directions :					
Suspend 50 gms.in 1000 ml. distilled water containing 5 ml glycerol. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs (121°C) for 15 minutes. If desired, selective medium is obtained by aseptically adding filtered solution of 0.4 gm. Cycloheximide solution, 40,000 IU Penicillin, 40 mcg Streptomycin, 80 mg Colistin& 100 mg Novobiocin in a previously cooled sterile medium. Mix well & pour in sterile plates.					
Principle :					
The medium contains peptic digest of animal tissue and casein enzymichydrolysate which provides nitrogenous nutrients. Dextrose is the carbohydrate source while sodium chloride maintains osmotic balance of the medium. This medium can also be used as a base for preparing selective agars. The addition of Cycloheximide e.g. in Kimmig Agar to make it more selective was the development suggested by Georg et al. Addition of antibiotics like Penicillin, Streptomycin, Colistin, Novobiocin etc. inhibit the growth of many gram- positive, gram - negative bacteria and also some fungi like Saccharomyces.					
QC Tests - (I)Dehydrated Medium					
Colour :	Beige				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	6.5 ± 0.2				
Colour (post autoclaving/heating) :	Medium amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed upto 5 days at 30°C.					
MICROORGANISM (ATCC)	GROWTH (WITHOUT ANTIBIOTICS)				
Aspergillusniger (16404)	Good - luxuriant				
Candida albicans (10231)	Good - luxuriant				
Saccharomyces cerevisiae (9763)	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, isolation, identification and preservation of fungal strains.					
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
B1046	50g/l	10L	6.5 ± 0.2	If desired antibiotics	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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